

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.6
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

| APPL. NUMBER | 01 | UNIT |
|------------------|---------------------|------|
| TIMINGS | 01 | |
| TYPE | LIQMIX | |
| APPLICATION DATE | 11/21/06 | AME |
| AIR TEMPERATURE | 50 | F |
| % REL.HUMIDITY | 48 | |
| WIND DIRECTION | SOUTH | |
| WIND SPEED | 5.0 | M/H |
| CLOUD COVER | CLEAR | |
| DEW | NO | |
| SOIL MOISTURE | MOIST/MOI | |
| SOIL CONDITION | --- | |
| METHOD | SPRAY | |
| EQUIPMENT | SPRBAC | |
| PROPELLANT | COMCO2 | |
| PLACEMENT | BRFOSO | |
| NOZZLE | FLATFAN | |
| NOZZLE NUMBER | 5 | |
| NOZZLE SPACING | 18.000 | IN |
| SCREEN SIZE | | |
| SCREEN SZ DESC | NA | |
| SWATH WIDTH | 7.5 | FT |
| SPRAY VOLUME | 20.00 | |
| SCREEN SIZE | GPA | |
| PRESSURE | 30.00 | PSI |
| DILUENT | WATER | |
| INC. DATE | | AME |
| INC. START | | 24H |
| INC. END | | 24H |
| INC. DEPTH | | IN |
| INC. EQUIPMENT | --- | |
| | DN/SG/MMZ | |
| *** PEST *** | | |
| LAMBSQUARTERS, C | ---/00 / | IN |
| HENBIT | ---/13 0.50/0.50 | IN |
| FOXTAIL, GIANT | ---/00 / | IN |
| CHICKWEED, COMMO | ---/15 0.25/0.25 | IN |

* TIMING CODES

01 = ----- / FALL APPL'D

* STAGE CODE

00 = DRY SEED; DORMANCY
 00 = DRY SEED (CARYOPSIS)
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Fall herbicide programs for soybean. N-100
CREATED: 11/13/2006 **REVISED:** 09/18/2007 **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 | | STEME CON % 11/29/06 | LAMAM CON % 11/29/06 | STEME CON % 05/06/07 | LAMAM CON % 05/06/07 | CHEAL CON % 05/06/07 | SETFA CON % 05/06/07 |
|------------|------------------------|--------|---------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | RATE | UNIT TM | | | | | | |
| 1A | CLASSIC 25WG | 0.031 | LAA 1 | 67 | 58 | 99 | 98 | 84 | 67 |
| B | EXPRESS 75WG | 0.0094 | LAA 1 | | | | | | |
| C | (G)2,4-D-ESTER | 0.50 | LAA 1 | | | | | | |
| D | COC | 1.00 | PMV 1 | | | | | | |
| 2A | CLASSIC 25WG | 0.016 | LAA 1 | 50 | 47 | 94 | 86 | 68 | 47 |
| B | EXPRESS 75WG | 0.0047 | LAA 1 | | | | | | |
| C | (G)2,4-D-ESTER | 0.50 | LAA 1 | | | | | | |
| D | COC | 1.00 | PMV 1 | | | | | | |
| 3A | AUTUMN 10 WDG | 0.002 | LAA 1 | 60 | 52 | 94 | 85 | 53 | 40 |
| B | (G)2,4-D-ESTER | 0.50 | LAA 1 | | | | | | |
| C | COC | 1.00 | PMV 1 | | | | | | |
| 4A | WEATHERMAX 4.5 | 0.75 | LAA 1 | 40 | 37 | 92 | 81 | 0 | 0 |
| B | (G)2,4-D-ESTER | 0.50 | LAA 1 | | | | | | |
| C | LIQUID AMS | 5.00 | PMV 1 | | | | | | |
| 5A | CLASSIC 25WG | 0.023 | LAA 1 | 53 | 50 | 98 | 88 | 70 | 60 |
| B | REFLEX 2LC | 0.25 | LAA 1 | | | | | | |
| C | COC | 1.00 | PMV 1 | | | | | | |
| 6A | CLASSIC 25WG | 0.023 | LAA 1 | 72 | 67 | 99 | 93 | 60 | 50 |
| B | BANVEL 4SL | 0.50 | LAA 1 | | | | | | |
| C | COC | 1.00 | PMV 1 | | | | | | |
| 7A | BANVEL 4SL | 0.50 | LAA 1 | 72 | 72 | 98 | 89 | 62 | 47 |
| B | REFLEX 2LC | 0.25 | LAA 1 | | | | | | |
| C | COC | 1.00 | PMV 1 | | | | | | |
| 8A | BANVEL 4SL | 0.50 | LAA 1 | 23 | 27 | 85 | 70 | 0 | 0 |
| B | COC | 1.00 | PMV 1 | | | | | | |
| 9A | CLASSIC 25WG | 0.0234 | LAA 1 | 37 | 33 | 98 | 90 | 72 | 47 |
| B | EXPRESS 75WG | 0.007 | LAA 1 | | | | | | |
| C | COC | 1.00 | PMV 1 | | | | | | |
| 10A | SPARTAN 4F | 0.125 | LAA 1 | 58 | 57 | 99 | 93 | 78 | 57 |
| B | SENCOR 75WG | 0.188 | LAA 1 | | | | | | |
| C | AIM EC | 0.016 | LAA 1 | | | | | | |
| D | (G)2,4-D-ESTER | 0.50 | LAA 1 | | | | | | |
| E | COC | 1.00 | PMV 1 | | | | | | |
| 11A | SPARTAN 4F | 0.125 | LAA 1 | 68 | 65 | 99 | 86 | 78 | 53 |
| B | SENCOR 75WG | 0.188 | LAA 1 | | | | | | |
| C | EXPRESS 75WG | 0.0047 | LAA 1 | | | | | | |
| D | AIM EC | 0.008 | LAA 1 | | | | | | |
| E | (G)2,4-D-ESTER | 0.25 | LAA 1 | | | | | | |
| F | COC | 1.00 | PMV 1 | | | | | | |
| 12A | CHECK | 0.00 | NA 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13A | SPARTAN 4F | 0.125 | LAA 1 | 68 | 60 | 99 | 99 | 65 | 50 |
| B | FIRSTRATE 84WG | 0.016 | LAA 1 | | | | | | |
| C | AIM EC | 0.016 | LAA 1 | | | | | | |
| D | (G)2,4-D-ESTER | 0.50 | LAA 1 | | | | | | |
| E | COC | 1.00 | PMV 1 | | | | | | |
| 14A | SPARTAN 4F | 0.125 | LAA 1 | 84 | 80 | 99 | 99 | 77 | 58 |
| B | FIRSTRATE 84WG | 0.016 | LAA 1 | | | | | | |
| C | EXPRESS 75WG | 0.0047 | LAA 1 | | | | | | |
| D | AIM EC | 0.008 | LAA 1 | | | | | | |
| E | (G)2,4-D-ESTER | 0.25 | LAA 1 | | | | | | |
| F | COC | 1.00 | PMV 1 | | | | | | |

TITLE: Fall herbicide programs for soybean. N-100

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | STEME | LAMAM | STEME | LAMAM | CHEAL | SETFA |
|------------|------------------------|--------------------|------|----|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | RATE | UNIT | TM | CON % 11/29/06 | CON % 11/29/06 | CON % 05/06/07 | CON % 05/06/07 | CON % 05/06/07 | CON % 05/06/07 |
| 15A | SCEPTER 70DG | 0.123 | LAA | 1 | 37 | 30 | 85 | 70 | 52 | 52 |
| | B (G)2,4-D-ESTER | 0.50 | LAA | 1 | | | | | | |
| | C»COC | 1.00 | PMV | 1 | | | | | | |
| | D»LIQUID AMS | 5.00 | PMV | 1 | | | | | | |
| 16A» | EXTREME 2.17L | 0.814 | LAA | 1 | 57 | 50 | 93 | 79 | 50 | 37 |
| | B (G)2,4-D-ESTER | 0.50 | LAA | 1 | | | | | | |
| | C»ACTIVATOR 90 | 0.125 | PMV | 1 | | | | | | |
| | D»LIQUID AMS | 5.00 | PMV | 1 | | | | | | |
| 17A» | VALOR SX 51WDG | 0.057 | LAA | 1 | 77 | 70 | 99 | 99 | 85 | 68 |
| | B CLASSIC 25WG | 0.0192 | LAA | 1 | | | | | | |
| | C EXPRESS 75WG | 0.0058 | LAA | 1 | | | | | | |
| | D (G)2,4-D-ESTER | 0.50 | LAA | 1 | | | | | | |
| | E»COC | 1.00 | PMV | 1 | | | | | | |
| 18A» | VALOR SX 51WDG | 0.057 | LAA | 1 | 63 | 72 | 99 | 99 | 89 | 81 |
| | B CLASSIC 25WG | 0.0192 | LAA | 1 | | | | | | |
| | C (G)2,4-D-ESTER | 0.50 | LAA | 1 | | | | | | |
| | D»COC | 1.00 | PMV | 1 | | | | | | |
| 19A | SCEPTER 70DG | 0.061 | LAA | 1 | 53 | 48 | 91 | 76 | 53 | 60 |
| | B (G)2,4-D-ESTER | 1.00 | LAA | 1 | | | | | | |
| | C»COC | 1.00 | PMV | 1 | | | | | | |
| 20A | (G)2,4-D-ESTER | 1.00 | LAA | 1 | 17 | 20 | 80 | 60 | 0 | 0 |
| | B»COC | 1.00 | PMV | 1 | | | | | | |
| 21A | EXPRESS 75WG | 0.0047 | LAA | 1 | 53 | 50 | 97 | 83 | 20 | 0 |
| | B (G)2,4-D-ESTER | 1.00 | LAA | 1 | | | | | | |
| | C»COC | 1.00 | PMV | 1 | | | | | | |
| | | LSD (0.05) | | | 10.34 | 10.38 | 4.19 | 8.69 | 13.21 | 15.41 |
| | | STANDARD DEVIATION | | | 5.12 | 5.14 | 2.08 | 4.30 | 6.53 | 7.63 |

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
01 = ----- / FALL APPL'D 11/21/2006(1)

| H# | CUSTOM#1 | CUSTOM#2 | EV.DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTR1 | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | STEME | CON % | 11/29/2006 | 02 | P | STEME | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | LAMAM | CON % | 11/29/2006 | 03 | P | LAMAM | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | STEME | CON % | 05/06/2007 | 02 | P | STEME | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | LAMAM | CON % | 05/06/2007 | 03 | P | LAMAM | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | CHEAL | CON % | 05/06/2007 | 04 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | SETFA | CON % | 05/06/2007 | 05 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |