

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE:
 PLOT WIDTH: 7.5 X 30 FEET

DESIGN: RCB
 REPS: 3

| APPL. NUMBER | 01 | 02 | UNIT |
|------------------|-----------|-----------|------|
| TIMINGS | 09 | 12 | |
| TYPE | LIQMXSPR | LIQMXSPR | |
| APPLICATION DATE | 05/25/00 | 06/23/00 | AME |
| AIR TEMPERATURE | 85 | 85 | F |
| % REL.HUMIDITY | 30 | 70 | |
| WIND DIRECTION | NORTHWEST | SOUTH | |
| WIND SPEED | 3.0 | 2.0 | M/H |
| CLOUD COVER | CLEAR | CLEAR | |
| DEW | --- | NO | |
| SOIL MOISTURE | DRY/MOIST | DRY/MOIST | |
| SOIL CONDITION | --- | --- | |
| METHOD | SPRAY | SPRAY | |
| EQUIPMENT | SPRBAC | SPRBAC | |
| PROPELLANT | COMPRSCO2 | COMPRSCO2 | |
| PLACEMENT | BROADCAST | BROADCAST | |
| NOZZLE | FLATFAN | FLATFAN | |
| NOZZLE NUMBER | 5 | 5 | |
| NOZZLE SPACING | 18.000 | 18.000 | IN |
| SWATH WIDTH | 7.5 | 7.5 | FT |
| SPRAY VOLUME | 20.00 | 20.00 | |
| VOLUME UNIT | GPA | GPA | |
| PRESSURE | 30.00 | 30.00 | PSI |
| DILUENT | WATER | WATER | |
| INC. DATE | | | AME |
| INC. START | | | 24H |
| INC. END | | | 24H |
| INC. DEPTH | | | IN |
| INC. EQUIPMENT | | --- | |
| DN/SG/MMZ | | | |
| *** CROP *** | | | |
| SOYBEAN | | ---/13 | |
| PIONEER 93B53RR | | 6.00/6.00 | IN |
| 05/25/2000 | | | |
| *** PEST *** | | | |
| VELVETLEAF | | ---/15 | |
| | | 4.00/4.00 | IN |
| FIGWEED, SMOOTH | | ---/19 | |
| | | 5.00/5.00 | IN |
| LAMBSQUARTERS, C | | ---/19 | |
| | | 3.00/3.00 | IN |
| MORNINGGLORY, TA | | ---/15 | |
| | | 2.00/2.00 | IN |
| FOXTAIL, GIANT | | ---/13 | |
| | | 5.00/5.00 | IN |

* TIMING CODES

09 = ----- / PREEMERGENCE
 12 = ----- / POST

* STAGE CODE

13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200
CREATED: 04/18/2000 **REVISED:** 10/26/2000 **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** **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | GLXMA | SETFA | PHBPU | ABUTH | CHEAL | AMACH |
|------------|------------------------|--------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | | 06/13/00 | 06/13/00 | 06/13/00 | 06/13/00 | 06/13/00 | 06/13/00 |
| 1A | COMMAND 3ME | 0.60 | LAA | 9 | 0 | 77 | 84 | 93 | 97 | 95 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | | | | | | |
| 2A | COMMAND 3ME | 0.60 | LAA | 9 | 0 | 72 | 80 | 93 | 95 | 94 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | | | | | | |
| | C»FIRSTRATE 84WG | 0.008 | LAA | 12 | | | | | | |
| | D»FLEXSTAR 1.88M | 0.12 | LAA | 12 | | | | | | |
| | E 28% UAN | 1.25 | PMV | 12 | | | | | | |
| 3A | COMMAND 3ME | 0.75 | LAA | 9 | 0 | 79 | 82 | 95 | 99 | 99 |
| | B»SPARTAN 4L | 0.375 | LAA | 9 | | | | | | |
| 4A | COMMAND 3ME | 0.50 | LAA | 9 | 0 | 68 | 83 | 96 | 99 | 95 |
| | B»SPARTAN 4L | 0.25 | LAA | 9 | | | | | | |
| 5A | COMMAND 3ME | 0.30 | LAA | 9 | 0 | 75 | 79 | 88 | 94 | 96 |
| | B»SPARTAN 4L | 0.15 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 6A | COMMAND 3ME | 0.375 | LAA | 9 | 0 | 78 | 79 | 90 | 96 | 95 |
| | B»SPARTAN 4L | 0.188 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 7A | COMMAND 3ME | 0.25 | LAA | 9 | 0 | 57 | 67 | 81 | 91 | 91 |
| | B»SPARTAN 4L | 0.125 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 8A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9A | PURSUIT + | 0.91 | LAA | 9 | 0 | 91 | 92 | 98 | 99 | 99 |
| 10A | PURSUIT + | 0.91 | LAA | 9 | 0 | 93 | 95 | 99 | 99 | 99 |
| | B ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 11A» | BOUNDARY 7.8L | 2.43 | LAA | 9 | 0 | 94 | 71 | 96 | 99 | 99 |
| 12A» | BOUNDARY 7.8L | 1.22 | LAA | 9 | 0 | 89 | 65 | 95 | 98 | 99 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 13A» | DOMAIN 60DF | 0.375 | LAA | 9 | | 68 | 63 | 89 | 95 | 96 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 14A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | | | | | | |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 15A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | | | | | | |
| | B»FLEXSTAR 1.88M | 0.12 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 16A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | | | | | | |
| | B»FLEXSTAR 1.88M | 0.176 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 17A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | | | | | | |
| | B»FIRSTRATE 84WG | 0.008 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 18A» | GLYPHOMAX PLUS | 0.75 | LAA | 12 | | | | | | |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 19A | ROUNDUP ULTRA | 0.75 | LAA | 12 | | | | | | |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | | GLXMA | SETFA | PHBPU | ABUTH | CHEAL | AMACH |
|------------|------------------------|--------------------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | TM | 06/13/00 | 06/13/00 | 06/13/00 | 06/13/00 | 06/13/00 | 06/13/00 |
| 20A | »ROUNDUP CUSTOM | 0.75 | LAA | 12 | | | | | | |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 21A | ROUNDUP 3SL | 0.56 | LAA | 12 | | | | | | |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 22A | ROUNDUP 3SL | 0.56 | LAA | 12 | | | | | | |
| | B»S-3153 58WG | 0.014 | LAA | 12 | | | | | | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 23A | »V-10078 4.07SC | 0.764 | LAA | 12 | | | | | | |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 24A | »V-10078 4.07SC | 0.764 | LAA | 12 | | | | | | |
| | B»COC | 0.63 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 25A | ROUNDUP 3SL | 0.56 | LAA | 12 | | | | | | |
| | B»FIRSTRATE 84WG | 0.016 | LAA | 12 | | | | | | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 26A | »FLEXSTAR 1.88M | 0.294 | LAA | 12 | | | | | | |
| | B FUSION | 0.21 | LAA | 12 | | | | | | |
| | C»MSO | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 27A | »FLEXSTAR 1.88M | 0.176 | LAA | 12 | | | | | | |
| | B PURSUIT DG (70 | 0.063 | LAA | 12 | | | | | | |
| | C»MSO | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 28A | »FLEXSTAR 1.88M | 0.294 | LAA | 12 | | | | | | |
| | B FUSION | 0.21 | LAA | 12 | | | | | | |
| | C»SYNCHRONY STS | 0.0066 | LAA | 12 | | | | | | |
| | D»MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 29A | SELECT (2EC) | 0.094 | LAA | 12 | | | | | | |
| | B COBRA 2EC | 0.125 | LAA | 12 | | | | | | |
| | C»COC | 1.00 | PMV | 12 | | | | | | |
| 30A | »RAPTOR 1AS | 0.039 | LAA | 12 | | | | | | |
| | B»MSO | 1.00 | PMV | 12 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 12 | | | | | | |
| | | LSD (0.05) | | | 0.00 | 5.57 | 7.42 | 4.66 | 4.58 | 3.81 |
| | | STANDARD DEVIATION | | | 0.00 | 2.79 | 3.71 | 2.33 | 2.29 | 1.90 |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200
CREATED: 04/18/2000 **REVISED:** 10/26/2000 **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 **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | GLXMA | GLXMA | SETFA | PHBPU | ABUTH | CHEAL |
|------------|------------------------|--------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | | 06/26/00 | 07/05/00 | 07/05/00 | 07/05/00 | 07/05/00 | 07/05/00 |
| 1A | COMMAND 3ME | 0.60 | LAA | 9 | 0 | 0 | 50 | 85 | 91 | 95 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | | | | | | |
| 2A | COMMAND 3ME | 0.60 | LAA | 9 | 13 | 2 | 53 | 93 | 94 | 97 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | | | | | | |
| | C»FIRSTRATE 84WG | 0.008 | LAA | 12 | | | | | | |
| | D»FLEXSTAR 1.88M | 0.12 | LAA | 12 | | | | | | |
| | E 28% UAN | 1.25 | PMV | 12 | | | | | | |
| 3A | COMMAND 3ME | 0.75 | LAA | 9 | 0 | 0 | 57 | 82 | 88 | 95 |
| | B»SPARTAN 4L | 0.375 | LAA | 9 | | | | | | |
| 4A | COMMAND 3ME | 0.50 | LAA | 9 | 0 | 0 | 41 | 82 | 91 | 98 |
| | B»SPARTAN 4L | 0.25 | LAA | 9 | | | | | | |
| 5A | COMMAND 3ME | 0.30 | LAA | 9 | 0 | 0 | 99 | 90 | 96 | 99 |
| | B»SPARTAN 4L | 0.15 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 6A | COMMAND 3ME | 0.375 | LAA | 9 | 0 | 0 | 99 | 92 | 98 | 99 |
| | B»SPARTAN 4L | 0.188 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 7A | COMMAND 3ME | 0.25 | LAA | 9 | 0 | 0 | 99 | 89 | 99 | 99 |
| | B»SPARTAN 4L | 0.125 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 8A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9A | PURSUIT + | 0.91 | LAA | 9 | 0 | 0 | 83 | 87 | 93 | 96 |
| 10A | PURSUIT + | 0.91 | LAA | 9 | 0 | 0 | 99 | 93 | 99 | 99 |
| | B ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 11A» | BOUNDARY 7.8L | 2.43 | LAA | 9 | 0 | 0 | 84 | 43 | 96 | 99 |
| 12A» | BOUNDARY 7.8L | 1.22 | LAA | 9 | 0 | 0 | 99 | 88 | 99 | 99 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 13A» | DOMAIN 60DF | 0.375 | LAA | 9 | 0 | 0 | 99 | 87 | 99 | 99 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 14A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 2 | 0 | 99 | 93 | 99 | 99 |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 15A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 10 | 5 | 99 | 93 | 99 | 99 |
| | B»FLEXSTAR 1.88M | 0.12 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 16A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 10 | 7 | 99 | 94 | 99 | 99 |
| | B»FLEXSTAR 1.88M | 0.176 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 17A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 5 | 0 | 99 | 94 | 99 | 99 |
| | B»FIRSTRATE 84WG | 0.008 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 18A» | GLYPHOMAX PLUS | 0.75 | LAA | 12 | 0 | 0 | 99 | 93 | 99 | 99 |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 19A | ROUNDUP ULTRA | 0.75 | LAA | 12 | 0 | 0 | 99 | 95 | 99 | 99 |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | GLXMA | GLXMA | SETFA | PHBPU | ABUTH | CHEAL |
|------------|------------------------|--------------------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | | 06/26/00 | 07/05/00 | 07/05/00 | 07/05/00 | 07/05/00 | 07/05/00 |
| 20A | ROUNDUP CUSTOM | 0.75 | LAA | 12 | 5 | 2 | 99 | 93 | 99 | 99 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 21A | ROUNDUP 3SL | 0.56 | LAA | 12 | 5 | 0 | 99 | 91 | 99 | 99 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 22A | ROUNDUP 3SL | 0.56 | LAA | 12 | 10 | 2 | 99 | 98 | 99 | 99 |
| | B»S-3153 58WG | 0.014 | LAA | 12 | | | | | | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 23A | V-10078 4.07SC | 0.764 | LAA | 12 | 10 | 5 | 99 | 93 | 99 | 98 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 24A | V-10078 4.07SC | 0.764 | LAA | 12 | 10 | 5 | 99 | 93 | 99 | 96 |
| | B»COC | 0.63 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 25A | ROUNDUP 3SL | 0.56 | LAA | 12 | 5 | 0 | 99 | 91 | 99 | 99 |
| | B»FIRSTRATE 84WG | 0.016 | LAA | 12 | | | | | | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 26A | FLEXSTAR 1.88M | 0.294 | LAA | 12 | 23 | 10 | 99 | 92 | 95 | 90 |
| | B FUSION | 0.21 | LAA | 12 | | | | | | |
| | C»MSO | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 27A | FLEXSTAR 1.88M | 0.176 | LAA | 12 | 18 | 7 | 99 | 91 | 98 | 78 |
| | B PURSUIT DG (70 | 0.063 | LAA | 12 | | | | | | |
| | C»MSO | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 28A | FLEXSTAR 1.88M | 0.294 | LAA | 12 | 23 | 10 | 99 | 95 | 98 | 82 |
| | B FUSION | 0.21 | LAA | 12 | | | | | | |
| | C»SYNCHRONY STS | 0.0066 | LAA | 12 | | | | | | |
| | D»MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 29A | SELECT (2EC) | 0.094 | LAA | 12 | 22 | 10 | 95 | 82 | 90 | 37 |
| | B COBRA 2EC | 0.125 | LAA | 12 | | | | | | |
| | C»COC | 1.00 | PMV | 12 | | | | | | |
| 30A | RAPTOR 1AS | 0.039 | LAA | 12 | 10 | 8 | 85 | 78 | 88 | 85 |
| | B»MSO | 1.00 | PMV | 12 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 12 | | | | | | |
| | | LSD (0.05) | | | 2.56 | 2.10 | 12.74 | 7.35 | 5.40 | 6.00 |
| | | STANDARD DEVIATION | | | 1.28 | 1.00 | 6.37 | 3.67 | 2.70 | 3.00 |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200
CREATED: 04/18/2000 **REVISED:** 10/26/2000 **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** **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMACH | GLXMA | SETFA | PHBPU | ABUTH | CHEAL |
|------------|------------------------|--------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | | 07/05/00 | 07/19/00 | 07/19/00 | 07/19/00 | 07/19/00 | 07/19/00 |
| 1A | COMMAND 3ME | 0.60 | LAA | 9 | 96 | 0 | 37 | 82 | 96 | 98 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | | | | | | |
| 2A | COMMAND 3ME | 0.60 | LAA | 9 | 96 | 0 | 43 | 92 | 96 | 99 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | | | | | | |
| | C»FIRSTRATE 84WG | 0.008 | LAA | 12 | | | | | | |
| | D»FLEXSTAR 1.88M | 0.12 | LAA | 12 | | | | | | |
| | E 28% UAN | 1.25 | PMV | 12 | | | | | | |
| 3A | COMMAND 3ME | 0.75 | LAA | 9 | 93 | 0 | 30 | 77 | 93 | 98 |
| | B»SPARTAN 4L | 0.375 | LAA | 9 | | | | | | |
| 4A | COMMAND 3ME | 0.50 | LAA | 9 | 91 | 0 | 20 | 70 | 90 | 96 |
| | B»SPARTAN 4L | 0.25 | LAA | 9 | | | | | | |
| 5A | COMMAND 3ME | 0.30 | LAA | 9 | 99 | 0 | 99 | 91 | 99 | 99 |
| | B»SPARTAN 4L | 0.15 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 6A | COMMAND 3ME | 0.375 | LAA | 9 | 99 | 0 | 98 | 89 | 96 | 98 |
| | B»SPARTAN 4L | 0.188 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 7A | COMMAND 3ME | 0.25 | LAA | 9 | 99 | 0 | 99 | 92 | 98 | 98 |
| | B»SPARTAN 4L | 0.125 | LAA | 9 | | | | | | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 8A | CHECK | 0.00 | NA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9A | PURSUIT + | 0.91 | LAA | 9 | 94 | 0 | 83 | 91 | 88 | 93 |
| 10A | PURSUIT + | 0.91 | LAA | 9 | 99 | 0 | 98 | 94 | 99 | 99 |
| | B ROUNDUP ULTRA | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 11A» | BOUNDARY 7.8L | 2.43 | LAA | 9 | 96 | 0 | 77 | 62 | 82 | 92 |
| 12A» | BOUNDARY 7.8L | 1.22 | LAA | 9 | 99 | 0 | 98 | 91 | 98 | 96 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 13A» | DOMAIN 60DF | 0.375 | LAA | 9 | 99 | 0 | 99 | 94 | 98 | 99 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 14A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 | 0 | 99 | 91 | 97 | 99 |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 15A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 | 0 | 98 | 94 | 99 | 99 |
| | B»FLEXSTAR 1.88M | 0.12 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 16A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 | 3 | 99 | 89 | 99 | 99 |
| | B»FLEXSTAR 1.88M | 0.176 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 17A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 | 0 | 99 | 95 | 99 | 96 |
| | B»FIRSTRATE 84WG | 0.008 | LAA | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 18A» | GLYPHOMAX PLUS | 0.75 | LAA | 12 | 99 | 0 | 99 | 91 | 99 | 92 |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 19A | ROUNDUP ULTRA | 0.75 | LAA | 12 | 99 | 0 | 99 | 91 | 96 | 96 |
| | B AM. SULFATE | 8.50 | PMG | 12 | | | | | | |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMACH | GLXMA | SETFA | PHBPU | ABUTH | CHEAL |
|------------|------------------------|--------------------|------|----|----------|----------|----------|----------|----------|----------|
| | | RATE | UNIT | | 07/05/00 | 07/19/00 | 07/19/00 | 07/19/00 | 07/19/00 | 07/19/00 |
| 20A | ROUNDUP CUSTOM | 0.75 | LAA | 12 | 99 | 0 | 99 | 92 | 99 | 96 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 21A | ROUNDUP 3SL | 0.56 | LAA | 12 | 99 | 0 | 99 | 95 | 99 | 96 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 22A | ROUNDUP 3SL | 0.56 | LAA | 12 | 96 | 0 | 98 | 93 | 99 | 98 |
| | B»S-3153 58WG | 0.014 | LAA | 12 | | | | | | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 23A | V-10078 4.07SC | 0.764 | LAA | 12 | 99 | 0 | 99 | 91 | 97 | 99 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 24A | V-10078 4.07SC | 0.764 | LAA | 12 | 99 | 0 | 99 | 92 | 98 | 85 |
| | B»COC | 0.63 | PMV | 12 | | | | | | |
| | C AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 25A | ROUNDUP 3SL | 0.56 | LAA | 12 | 99 | 0 | 96 | 88 | 98 | 99 |
| | B»FIRSTRATE 84WG | 0.016 | LAA | 12 | | | | | | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | | | | | | |
| | D AM. SULFATE | 8.50 | PMG | 12 | | | | | | |
| 26A | FLEXSTAR 1.88M | 0.294 | LAA | 12 | 96 | 7 | 98 | 87 | 91 | 81 |
| | B FUSION | 0.21 | LAA | 12 | | | | | | |
| | C»MSO | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 27A | FLEXSTAR 1.88M | 0.176 | LAA | 12 | 99 | 7 | 70 | 82 | 90 | 73 |
| | B PURSUIT DG (70 | 0.063 | LAA | 12 | | | | | | |
| | C»MSO | 1.00 | PMV | 12 | | | | | | |
| | D 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 28A | FLEXSTAR 1.88M | 0.294 | LAA | 12 | 99 | 10 | 96 | 85 | 92 | 68 |
| | B FUSION | 0.21 | LAA | 12 | | | | | | |
| | C»SYNCHRONY STS | 0.0066 | LAA | 12 | | | | | | |
| | D»MSO | 1.00 | PMV | 12 | | | | | | |
| | E 28% UAN | 2.50 | PMV | 12 | | | | | | |
| 29A | SELECT (2EC) | 0.094 | LAA | 12 | 78 | 10 | 90 | 73 | 87 | 27 |
| | B COBRA 2EC | 0.125 | LAA | 12 | | | | | | |
| | C»COC | 1.00 | PMV | 12 | | | | | | |
| 30A | RAPTOR 1AS | 0.039 | LAA | 12 | 83 | 10 | 91 | 86 | 93 | 91 |
| | B»MSO | 1.00 | PMV | 12 | | | | | | |
| | C 28% UAN | 2.50 | PMV | 12 | | | | | | |
| | | LSD (0.05) | | | 6.95 | 1.53 | 7.67 | 5.94 | 6.41 | 5.81 |
| | | STANDARD DEVIATION | | | 3.47 | 0.767 | 3.84 | 3.00 | 3.20 | 2.90 |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200
CREATED: 04/18/2000 **REVISED:** 10/26/2000 **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** **REPS:** 03

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMACH 07/19/00 |
|------------|------------------------|--------|------|----|-------------------|
| | | RATE | UNIT | | |
| 1A | COMMAND 3ME | 0.60 | LAA | 9 | 96 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | |
| 2A | COMMAND 3ME | 0.60 | LAA | 9 | 98 |
| | B»SPARTAN 4L | 0.30 | LAA | 9 | |
| | C»FIRSTRATE 84WG | 0.008 | LAA | 12 | |
| | D»FLEXSTAR 1.88M | 0.12 | LAA | 12 | |
| | E 28% UAN | 1.25 | PMV | 12 | |
| 3A | COMMAND 3ME | 0.75 | LAA | 9 | 89 |
| | B»SPARTAN 4L | 0.375 | LAA | 9 | |
| 4A | COMMAND 3ME | 0.50 | LAA | 9 | 90 |
| | B»SPARTAN 4L | 0.25 | LAA | 9 | |
| 5A | COMMAND 3ME | 0.30 | LAA | 9 | 99 |
| | B»SPARTAN 4L | 0.15 | LAA | 9 | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | |
| | D AM. SULFATE | 8.50 | PMG | 12 | |
| 6A | COMMAND 3ME | 0.375 | LAA | 9 | 96 |
| | B»SPARTAN 4L | 0.188 | LAA | 9 | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | |
| | D AM. SULFATE | 8.50 | PMG | 12 | |
| 7A | COMMAND 3ME | 0.25 | LAA | 9 | 99 |
| | B»SPARTAN 4L | 0.125 | LAA | 9 | |
| | C ROUNDUP ULTRA | 0.56 | LAA | 12 | |
| | D AM. SULFATE | 8.50 | PMG | 12 | |
| 8A | CHECK | 0.00 | NA | 0 | 0 |
| 9A | PURSUIT + | 0.91 | LAA | 9 | 85 |
| 10A | PURSUIT + | 0.91 | LAA | 9 | 99 |
| | B ROUNDUP ULTRA | 0.56 | LAA | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 11A» | BOUNDARY 7.8L | 2.43 | LAA | 9 | 92 |
| 12A» | BOUNDARY 7.8L | 1.22 | LAA | 9 | 99 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 13A» | DOMAIN 60DF | 0.375 | LAA | 9 | 99 |
| | B»TOUCHDN IQ 3AE | 0.56 | LAA | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 14A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 |
| | B AM. SULFATE | 8.50 | PMG | 12 | |
| 15A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 96 |
| | B»FLEXSTAR 1.88M | 0.12 | LAA | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 16A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 |
| | B»FLEXSTAR 1.88M | 0.176 | LAA | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 17A» | TOUCHDN IQ 3AE | 0.75 | LAA | 12 | 99 |
| | B»FIRSTRATE 84WG | 0.008 | LAA | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 18A» | GLYPHOMAX PLUS | 0.75 | LAA | 12 | 98 |
| | B AM. SULFATE | 8.50 | PMG | 12 | |
| 19A | ROUNDUP ULTRA | 0.75 | LAA | 12 | 99 |
| | B AM. SULFATE | 8.50 | PMG | 12 | |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200

| TRT NUM | TREATMENT COMPONENT | DOSAGE | | TM | AMACH |
|------------|------------------------|--------|------|--------------------|-------|
| | | RATE | UNIT | | |
| 20A | ROUNDUP CUSTOM | 0.75 | LAA | 12 | 98 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 21A | ROUNDUP 3SL | 0.56 | LAA | 12 | 94 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 22A | ROUNDUP 3SL | 0.56 | LAA | 12 | 93 |
| | B»S-3153 58WG | 0.014 | LAA | 12 | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | |
| | D AM. SULFATE | 8.50 | PMG | 12 | |
| 23A | V-10078 4.07SC | 0.764 | LAA | 12 | 96 |
| | B»ACTIVATOR 90 | 0.50 | PMV | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 24A | V-10078 4.07SC | 0.764 | LAA | 12 | 93 |
| | B»COC | 0.63 | PMV | 12 | |
| | C AM. SULFATE | 8.50 | PMG | 12 | |
| 25A | ROUNDUP 3SL | 0.56 | LAA | 12 | 98 |
| | B»FIRSTRATE 84WG | 0.016 | LAA | 12 | |
| | C»ACTIVATOR 90 | 0.50 | PMV | 12 | |
| | D AM. SULFATE | 8.50 | PMG | 12 | |
| 26A | FLEXSTAR 1.88M | 0.294 | LAA | 12 | 90 |
| | B FUSION | 0.21 | LAA | 12 | |
| | C»MSO | 1.00 | PMV | 12 | |
| | D 28% UAN | 2.50 | PMV | 12 | |
| 27A | FLEXSTAR 1.88M | 0.176 | LAA | 12 | 92 |
| | B PURSUIT DG (70 | 0.063 | LAA | 12 | |
| | C»MSO | 1.00 | PMV | 12 | |
| | D 28% UAN | 2.50 | PMV | 12 | |
| 28A | FLEXSTAR 1.88M | 0.294 | LAA | 12 | 90 |
| | B FUSION | 0.21 | LAA | 12 | |
| | C»SYNCHRONY STS | 0.0066 | LAA | 12 | |
| | D»MSO | 1.00 | PMV | 12 | |
| | E 28% UAN | 2.50 | PMV | 12 | |
| 29A | SELECT (2EC) | 0.094 | LAA | 12 | 80 |
| | B COBRA 2EC | 0.125 | LAA | 12 | |
| | C»COC | 1.00 | PMV | 12 | |
| 30A | RAPTOR 1AS | 0.039 | LAA | 12 | 78 |
| | B»MSO | 1.00 | PMV | 12 | |
| | C 28% UAN | 2.50 | PMV | 12 | |
| | | | | LSD (0.05) | 8.00 |
| | | | | STANDARD DEVIATION | 4.00 |

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/25/2000 (1)
 12 = ----- / POST 06/23/2000 (2)

| H# | CUSTOM#1 | CUSTOM#2 | EV. DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | GLXMA | | 06/13/2000 | 01 | P | GLXMA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 002 | SETFA | | 06/13/2000 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 003 | PHBPU | | 06/13/2000 | 03 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 004 | ABUTH | | 06/13/2000 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 005 | CHEAL | | 06/13/2000 | 05 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 006 | AMACH | | 06/13/2000 | 06 | P | AMACH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 007 | GLXMA | | 06/26/2000 | 01 | P | GLXMA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 008 | GLXMA | | 07/05/2000 | 01 | P | GLXMA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 009 | SETFA | | 07/05/2000 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

TITLE: SOYSYS2 WEED CONTROL SYSTEMS IN RRSOY II AS-200

| H# | CUSTOM#1 | CUSTOM#2 | EV.DATE | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS | C.M | CTRTR | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|-------|----|------|
| 010 | PHBPU | | 07/05/2000 | 03 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 011 | ABUTH | | 07/05/2000 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 012 | CHEAL | | 07/05/2000 | 05 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 013 | AMACH | | 07/05/2000 | 06 | P | AMACH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 014 | GLXMA | | 07/19/2000 | 01 | P | GLXMA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 015 | SETFA | | 07/19/2000 | 02 | P | SETFA | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 016 | PHBPU | | 07/19/2000 | 03 | P | PHBPU | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 017 | ABUTH | | 07/19/2000 | 04 | P | ABUTH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 018 | CHEAL | | 07/19/2000 | 05 | P | CHEAL | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |
| 019 | AMACH | | 07/19/2000 | 06 | P | AMACH | | RAW | ALL | CON | % | --- | 1.00 PL | NO | 0001 | 0 | N |

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 93B53RR