

## SOIL 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

## TRIAL INFORMATION

DESIGN: RCB  
 REPS: 3

| APPL. NUMBER         | 01                     | 02                     | UNIT |
|----------------------|------------------------|------------------------|------|
| TIMINGS              | 06                     | 12                     |      |
| TYPE                 | LIQUID MI              | LIQUID MI              |      |
| APPLICATION DATE     | 05/13/15               | 06/18/15               | AME  |
| AIR TEMPERATURE      | 58                     | 79                     | F    |
| % REL.HUMIDITY       | 44                     | 68                     |      |
| WIND DIRECTION       | NORTHEAST              | SOUTHWEST              |      |
| WIND SPEED           | 7.0                    | 8.0                    | M/H  |
| CLOUD COVER          | CLEAR-0%               | PAR.CLOUD              |      |
| DEW                  | NO                     | NO                     |      |
| SOIL MOISTURE        | MOIST/MOI              | MOIST/MOI              |      |
| SOIL CONDITION       | TO BE SEL              | TO BE SEL              |      |
| METHOD               | SPRAY                  | SPRAY                  |      |
| EQUIPMENT            | BACKPACK/              | BACKPACK/              |      |
| PROPELLANT           | COMPRESSE              | COMPRESSE              |      |
| PLACEMENT            | BROADCAST              | BROADCAST              |      |
| NOZZLE               | FLATFAN                | FLATFAN                |      |
| NOZZLE DESCRIPTION   |                        |                        |      |
| NOZZLE NUMBER        | 5                      | 5                      |      |
| NOZZLE SPACING       | 18.000                 | 18.000                 | IN   |
| SCREEN SIZE          |                        |                        |      |
| SCREEN SZ DESC       | NA                     | NA                     |      |
| SWATH WIDTH          | 7.5                    | 7.5                    | FT   |
| SPRAY VOLUME         | 20.00                  | 20.00                  |      |
| SPRAY 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       | 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<br>MIN / MAX | DEN / STG<br>MIN / MAX |      |
| CROP *               |                        |                        |      |
| P, SOYBEAN           |                        | ---/17                 |      |
| A 3231RR             |                        | 12.0/12.0              | IN   |
| (PLANTED) 05/21/2015 |                        | 28 DAP                 |      |
| PEST *               |                        |                        |      |
| P, RAGWEED, COMMON   | ---/12<br>1.00/2.00    | ---/16<br>3.00/6.00    | IN   |
| P, LAMBSQUARTERS, C  | ---/18<br>1.00/3.00    | ---/19<br>2.00/6.00    | IN   |
| P, HORSEWEED / MARE  | ---/19<br>2.00/4.00    | ---/19<br>2.00/8.00    | IN   |
| P, HENBIT            | ---/17<br>2.00/4.00    | ---/19<br>4.00/6.00    | IN   |
| P, MORNINGGLORY, TA  | ---/10<br>1.00/1.00    | ---/17<br>1.00/3.00    | IN   |
| P, FOXTAIL, GIANT    | ---/13<br>1.00/2.00    | ---/16<br>2.00/8.00    | IN   |

\*\*\* CONTINUE

| SPECIE AND STAGE    | DEN / STG           | DEN / STG           |    |
|---------------------|---------------------|---------------------|----|
|                     | MIN / MAX           | MIN / MAX           |    |
| PEST *              |                     |                     |    |
| P, CHICKWEED, COMMO | ---/15<br>1.00/3.00 | ---/19<br>3.00/5.00 | IN |

## \* TIMING CODES

06 = --- / EPP 7 DBP  
12 = --- / POST

## \* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
13 = 3 LEAVES UNFOLDED  
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6 LEAVES UNFOLDED  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES  
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100  
**CREATED:** 04/14/2015 **REVISED:** 07/17/2015 **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  | TREATMENT      | DOSAGE | STEME   | LAMAM    | ERICA    | CHEAL    | AMBEL    | SETFA    |
|------|----------------|--------|---------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT      | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                |        |         | 05/22/15 | 05/22/15 | 05/22/15 | 05/22/15 | 05/22/15 |
| 1A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99       | 99       | 92       | 94       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          | 83       |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 2A»  | NUP-14008 3.76 | 0.94   | LAA 6   | 99       | 99       | 98       | 98       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          | 93       |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 3A   | WEEDAR 64 SL   | 0.47   | LAA 6   | 99       | 99       | 96       | 99       | 99       |
| B»   | CLASH 4L       | 0.078  | LAA 6   |          |          |          |          | 70       |
| C»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |
| D»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 4A   | WEEDAR 64 SL   | 0.71   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | CLASH 4L       | 0.125  | LAA 6   |          |          |          |          | 85       |
| C»   | PANTHER 51 WDG | 0.064  | LAA 6   |          |          |          |          |          |
| D»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 5A»  | SPITFIRE 3.57L | 0.89   | LAA 6   | 99       | 89       | 94       | 94       | 96       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          | 67       |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 6A»  | PANTHER 51 WDG | 0.064  | LAA 6   | 99       | 99       | 77       | 90       | 93       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          | 67       |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 7A»  | CREDIT XTREME  | 0.77   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          | 93       |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 8A»  | SPITFIRE 3.57L | 0.56   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          | 75       |
| C»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| D»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 9A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 10A» | NUP-14008 3.76 | 0.94   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 11A» | SPITFIRE 3.57L | 0.56   | LAA 6   | 99       | 96       | 98       | 98       | 99       |
| B»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          | 99       |
| C»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

| TRT                | TREATMENT        | DOSAGE |      | STEME | LAMAM    | ERICA    | CHEAL    | AMBEL    | SETFA    |
|--------------------|------------------|--------|------|-------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT | TM    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |      |       | 05/22/15 | 05/22/15 | 05/22/15 | 05/22/15 | 05/22/15 |
| 12A»               | SPITFIRE 3.57L   | 0.56   | LAA  | 6     | 99       | 99       | 99       | 99       | 99       |
|                    | B»CREDIT XTREME  | 0.77   | LAA  | 6     |          |          |          |          |          |
|                    | C»PANTHER 51 WDG | 0.04   | LAA  | 6     |          |          |          |          |          |
|                    | D»COC            | 1.00   | PMV  | 6     |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV  | 6     |          |          |          |          |          |
|                    | F»RNDUP POWERMAX | 0.75   | LAA  | 12    |          |          |          |          |          |
|                    | G»LIQUID AMS     | 2.50   | PMV  | 12    |          |          |          |          |          |
| 13A                | CHECK            | 0.00   | NA   | 0     | 0        | 0        | 0        | 0        | 0        |
|                    | B»RNDUP POWERMAX | 0.75   | LAA  | 12    |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV  | 12    |          |          |          |          |          |
| 14A»               | PREFIX 5.32SL    | 1.33   | LAA  | 6     | 99       | 99       | 93       | 98       | 99       |
|                    | B»TOUCHDN TOTAL  | 0.78   | LAA  | 6     |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV  | 6     |          |          |          |          |          |
|                    | D»RNDUP POWERMAX | 0.75   | LAA  | 12    |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV  | 12    |          |          |          |          |          |
| 15A»               | FIERCE 76WG      | 0.14   | LAA  | 6     | 99       | 99       | 99       | 99       | 99       |
|                    | B»RNDUP POWERMAX | 0.77   | LAA  | 6     |          |          |          |          |          |
|                    | C»2,4-D LVE      | 0.47   | LAA  | 6     |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV  | 6     |          |          |          |          |          |
|                    | E»RNDUP POWERMAX | 0.75   | LAA  | 12    |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV  | 12    |          |          |          |          |          |
| LSD (0.05)         |                  |        |      |       | 0.00     | 3.57     | 5.12     | 3.68     | 12.89    |
| STANDARD DEVIATION |                  |        |      |       | 0.00     | 1.75     | 2.50     | 1.80     | 6.29     |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

CREATED: 04/14/2015 REVISED: 07/17/2015

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  | TREATMENT      | DOSAGE | PHBPU | GLXMA | STEME    | LAMAM    | ERICA    | CHEAL    |
|------|----------------|--------|-------|-------|----------|----------|----------|----------|
| NUM  | COMPONENT      | RATE   | UNIT  | TM    | CON %    | CON %    | CON %    | CON %    |
|      |                |        |       |       | 05/22/15 | 06/03/15 | 06/03/15 | 06/03/15 |
| 1A»  | NUP-14008 3.76 | 0.59   | LAA   | 6     | 97       | 0        | 99       | 99       |
| B»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 2A»  | NUP-14008 3.76 | 0.94   | LAA   | 6     | 99       | 0        | 99       | 98       |
| B»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 3A   | WEEDAR 64 SL   | 0.47   | LAA   | 6     | 98       | 0        | 99       | 99       |
| B»   | CLASH 4L       | 0.078  | LAA   | 6     |          |          |          |          |
| C»   | PANTHER 51 WDG | 0.04   | LAA   | 6     |          |          |          |          |
| D»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 4A   | WEEDAR 64 SL   | 0.71   | LAA   | 6     | 99       | 0        | 99       | 99       |
| B»   | CLASH 4L       | 0.125  | LAA   | 6     |          |          |          |          |
| C»   | PANTHER 51 WDG | 0.064  | LAA   | 6     |          |          |          |          |
| D»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 5A»  | SPITFIRE 3.57L | 0.89   | LAA   | 6     | 95       | 0        | 99       | 99       |
| B»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 6A»  | PANTHER 51 WDG | 0.064  | LAA   | 6     | 93       | 0        | 99       | 99       |
| B»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 7A»  | CREDIT XTREME  | 0.77   | LAA   | 6     | 96       | 0        | 99       | 99       |
| B»   | LIQUID AMS     | 2.50   | PMV   | 6     |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 8A»  | SPITFIRE 3.57L | 0.56   | LAA   | 6     | 95       | 0        | 99       | 99       |
| B»   | PANTHER 51 WDG | 0.04   | LAA   | 6     |          |          |          |          |
| C»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| D»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 9A»  | NUP-14008 3.76 | 0.59   | LAA   | 6     | 99       | 0        | 99       | 99       |
| B»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA   | 6     |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 6     |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 10A» | NUP-14008 3.76 | 0.94   | LAA   | 6     | 99       | 0        | 99       | 99       |
| B»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA   | 6     |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 6     |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |
| 11A» | SPITFIRE 3.57L | 0.56   | LAA   | 6     | 99       | 0        | 99       | 99       |
| B»   | CREDIT XTREME  | 0.77   | LAA   | 6     |          |          |          |          |
| C»   | COC            | 1.00   | PMV   | 6     |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV   | 6     |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA   | 12    |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV   | 12    |          |          |          |          |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

| TRT                | TREATMENT        | DOSAGE |         | PHBPU    | GLXMA    | STEME    | LAMAM    | ERICA    | CHEAL    |
|--------------------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |         | 05/22/15 | 06/03/15 | 06/03/15 | 06/03/15 | 06/03/15 | 06/03/15 |
| 12A»               | SPITFIRE 3.57L   | 0.56   | LAA 6   | 98       | 0        | 99       | 99       | 99       | 99       |
|                    | B»CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |          |
|                    | D»COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | F»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | G»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 13A                | CHECK            | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
|                    | B»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 14A»               | PREFIX 5.32SL    | 1.33   | LAA 6   | 90       | 0        | 99       | 99       | 98       | 99       |
|                    | B»TOUCHDN TOTAL  | 0.78   | LAA 6   |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | D»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 15A»               | FIERCE 76WG      | 0.14   | LAA 6   | 99       | 0        | 99       | 99       | 99       | 99       |
|                    | B»RNDUP POWERMAX | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»2,4-D LVE      | 0.47   | LAA 6   |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | E»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| LSD (0.05)         |                  |        |         | 4.51     | 0.00     | 0.00     | 4.00     | 1.00     | 1.00     |
| STANDARD DEVIATION |                  |        |         | 2.20     | 0.00     | 0.00     | 2.00     | 0.487    | 0.487    |

**TITLE:** NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100  
**CREATED:** 04/14/2015 **REVISED:** 07/17/2015 **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  | TREATMENT      | DOSAGE |         | AMBEL             | SETFA             | PHBPU             | GLXMA             | STEME             | LAMAM             |
|------|----------------|--------|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| NUM  | COMPONENT      | RATE   | UNIT TM | CON %<br>06/03/15 | CON %<br>06/03/15 | CON %<br>06/03/15 | CON %<br>06/18/15 | CON %<br>06/18/15 | CON %<br>06/18/15 |
| 1A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99                | 72                | 83                | 0                 | 99                | 99                |
| B»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 2A»  | NUP-14008 3.76 | 0.94   | LAA 6   | 99                | 79                | 88                | 0                 | 99                | 99                |
| B»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 3A   | WEEDAR 64 SL   | 0.47   | LAA 6   | 98                | 57                | 57                | 0                 | 99                | 99                |
| B»   | CLASH 4L       | 0.078  | LAA 6   |                   |                   |                   |                   |                   |                   |
| C»   | PANTHER 51 WDG | 0.04   | LAA 6   |                   |                   |                   |                   |                   |                   |
| D»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 4A   | WEEDAR 64 SL   | 0.71   | LAA 6   | 99                | 78                | 83                | 0                 | 99                | 99                |
| B»   | CLASH 4L       | 0.125  | LAA 6   |                   |                   |                   |                   |                   |                   |
| C»   | PANTHER 51 WDG | 0.064  | LAA 6   |                   |                   |                   |                   |                   |                   |
| D»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 5A»  | SPITFIRE 3.57L | 0.89   | LAA 6   | 99                | 67                | 67                | 0                 | 99                | 88                |
| B»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 6A»  | PANTHER 51 WDG | 0.064  | LAA 6   | 99                | 92                | 92                | 0                 | 99                | 99                |
| B»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 7A»  | CREDIT XTREME  | 0.77   | LAA 6   | 99                | 95                | 82                | 0                 | 99                | 99                |
| B»   | LIQUID AMS     | 2.50   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 8A»  | SPITFIRE 3.57L | 0.56   | LAA 6   | 99                | 83                | 86                | 0                 | 99                | 99                |
| B»   | PANTHER 51 WDG | 0.04   | LAA 6   |                   |                   |                   |                   |                   |                   |
| C»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| D»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| E»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 9A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99                | 96                | 85                | 0                 | 99                | 99                |
| B»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |                   |                   |                   |                   |                   |                   |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 10A» | NUP-14008 3.76 | 0.94   | LAA 6   | 99                | 96                | 87                | 0                 | 99                | 99                |
| B»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |                   |                   |                   |                   |                   |                   |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |
| 11A» | SPITFIRE 3.57L | 0.56   | LAA 6   | 99                | 96                | 83                | 0                 | 99                | 99                |
| B»   | CREDIT XTREME  | 0.77   | LAA 6   |                   |                   |                   |                   |                   |                   |
| C»   | COC            | 1.00   | PMV 6   |                   |                   |                   |                   |                   |                   |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |                   |                   |                   |                   |                   |                   |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |                   |                   |                   |                   |                   |                   |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |                   |                   |                   |                   |                   |                   |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

| TRT                | TREATMENT        | DOSAGE |         | AMBEL    | SETFA    | PHBPU    | GLXMA    | STEME    | LAMAM    |
|--------------------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |         | 06/03/15 | 06/03/15 | 06/03/15 | 06/18/15 | 06/18/15 | 06/18/15 |
| 12A»               | SPITFIRE 3.57L   | 0.56   | LAA 6   | 99       | 98       | 95       | 0        | 99       | 99       |
|                    | B»CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |          |
|                    | D»COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | F»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | G»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 13A                | CHECK            | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
|                    | B»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 14A»               | PREFIX 5.32SL    | 1.33   | LAA 6   | 99       | 96       | 63       | 0        | 99       | 88       |
|                    | B»TOUCHDN TOTAL  | 0.78   | LAA 6   |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | D»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 15A»               | FIERCE 76WG      | 0.14   | LAA 6   | 99       | 93       | 87       | 0        | 99       | 99       |
|                    | B»RNDUP POWERMAX | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»2,4-D LVE      | 0.47   | LAA 6   |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | E»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| LSD (0.05)         |                  |        |         | 1.00     | 11.85    | 9.80     | 0.00     | 0.00     | 4.51     |
| STANDARD DEVIATION |                  |        |         | 0.487    | 5.79     | 4.78     | 0.00     | 0.00     | 2.20     |



**TITLE:** NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100  
**CREATED:** 04/14/2015 **REVISED:** 07/17/2015 **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  | TREATMENT      | DOSAGE |         | ERICA    | CHEAL    | AMBEL    | SETFA    | PHBPU    | GLXMA    |
|------|----------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT      | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                |        |         | 06/18/15 | 06/18/15 | 06/18/15 | 06/18/15 | 06/18/15 | 07/01/15 |
| 1A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 96       | 93       | 99       | 68       | 63       | 0        |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 2A»  | NUP-14008 3.76 | 0.94   | LAA 6   | 99       | 94       | 99       | 72       | 70       | 0        |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 3A   | WEEDAR 64 SL   | 0.47   | LAA 6   | 99       | 95       | 99       | 67       | 65       | 0        |
| B»   | CLASH 4L       | 0.078  | LAA 6   |          |          |          |          |          |          |
| C»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |          |
| D»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 4A   | WEEDAR 64 SL   | 0.71   | LAA 6   | 99       | 99       | 99       | 79       | 76       | 0        |
| B»   | CLASH 4L       | 0.125  | LAA 6   |          |          |          |          |          |          |
| C»   | PANTHER 51 WDG | 0.064  | LAA 6   |          |          |          |          |          |          |
| D»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 5A»  | SPITFIRE 3.57L | 0.89   | LAA 6   | 90       | 86       | 85       | 62       | 60       | 0        |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 6A»  | PANTHER 51 WDG | 0.064  | LAA 6   | 99       | 90       | 99       | 70       | 68       | 0        |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 7A»  | CREDIT XTREME  | 0.77   | LAA 6   | 99       | 88       | 91       | 86       | 65       | 0        |
| B»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 8A»  | SPITFIRE 3.57L | 0.56   | LAA 6   | 99       | 99       | 99       | 75       | 68       | 0        |
| B»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |          |
| C»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| D»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 9A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99       | 99       | 99       | 88       | 63       | 0        |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 10A» | NUP-14008 3.76 | 0.94   | LAA 6   | 99       | 99       | 99       | 86       | 70       | 0        |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 11A» | SPITFIRE 3.57L | 0.56   | LAA 6   | 95       | 95       | 96       | 78       | 52       | 0        |
| B»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
| C»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

| TRT                | TREATMENT        | DOSAGE |         | ERICA    | CHEAL    | AMBEL    | SETFA    | PHBPU    | GLXMA    |
|--------------------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |         | 06/18/15 | 06/18/15 | 06/18/15 | 06/18/15 | 06/18/15 | 07/01/15 |
| 12A»               | SPITFIRE 3.57L   | 0.56   | LAA 6   | 99       | 99       | 98       | 90       | 75       | 0        |
|                    | B»CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |          |
|                    | D»COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | F»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | G»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 13A                | CHECK            | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
|                    | B»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 14A»               | PREFIX 5.32SL    | 1.33   | LAA 6   | 96       | 94       | 99       | 80       | 53       | 0        |
|                    | B»TOUCHDN TOTAL  | 0.78   | LAA 6   |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | D»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 15A»               | FIERCE 76WG      | 0.14   | LAA 6   | 99       | 99       | 99       | 89       | 73       | 0        |
|                    | B»RNDUP POWERMAX | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»2,4-D LVE      | 0.47   | LAA 6   |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | E»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| LSD (0.05)         |                  |        |         | 5.00     | 9.00     | 7.12     | 11.21    | 9.44     | 0.00     |
| STANDARD DEVIATION |                  |        |         | 2.44     | 4.39     | 3.48     | 5.47     | 4.61     | 0.00     |

**TITLE:** NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100  
**CREATED:** 04/14/2015 **REVISED:** 07/17/2015 **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  | TREATMENT      | DOSAGE | STEME   | LAMAM    | ERICA    | CHEAL    | AMBEL    | SETFA    |
|------|----------------|--------|---------|----------|----------|----------|----------|----------|
| NUM  | COMPONENT      | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    |
|      |                |        |         | 07/01/15 | 07/01/15 | 07/01/15 | 07/01/15 | 07/01/15 |
| 1A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 2A»  | NUP-14008 3.76 | 0.94   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 3A   | WEEDAR 64 SL   | 0.47   | LAA 6   | 99       | 99       | 99       | 99       | 96       |
| B»   | CLASH 4L       | 0.078  | LAA 6   |          |          |          |          |          |
| C»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |
| D»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 4A   | WEEDAR 64 SL   | 0.71   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | CLASH 4L       | 0.125  | LAA 6   |          |          |          |          |          |
| C»   | PANTHER 51 WDG | 0.064  | LAA 6   |          |          |          |          |          |
| D»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 5A»  | SPITFIRE 3.57L | 0.89   | LAA 6   | 99       | 99       | 99       | 95       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 6A»  | PANTHER 51 WDG | 0.064  | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 7A»  | CREDIT XTREME  | 0.77   | LAA 6   | 99       | 99       | 99       | 97       | 98       |
| B»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 8A»  | SPITFIRE 3.57L | 0.56   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |
| C»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| D»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| E»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 9A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 10A» | NUP-14008 3.76 | 0.94   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |
| 11A» | SPITFIRE 3.57L | 0.56   | LAA 6   | 99       | 99       | 99       | 99       | 99       |
| B»   | CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |
| C»   | COC            | 1.00   | PMV 6   |          |          |          |          |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

| TRT                | TREATMENT        | DOSAGE |         | STEME    | LAMAM    | ERICA    | CHEAL    | AMBEL    | SETFA    |
|--------------------|------------------|--------|---------|----------|----------|----------|----------|----------|----------|
| NUM                | COMPONENT        | RATE   | UNIT TM | CON %    | CON %    | CON %    | CON %    | CON %    | CON %    |
|                    |                  |        |         | 07/01/15 | 07/01/15 | 07/01/15 | 07/01/15 | 07/01/15 | 07/01/15 |
| 12A»               | SPITFIRE 3.57L   | 0.56   | LAA 6   | 99       | 99       | 99       | 99       | 99       | 99       |
|                    | B»CREDIT XTREME  | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»PANTHER 51 WDG | 0.04   | LAA 6   |          |          |          |          |          |          |
|                    | D»COC            | 1.00   | PMV 6   |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | F»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | G»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 13A                | CHECK            | 0.00   | NA 0    | 0        | 0        | 0        | 0        | 0        | 0        |
|                    | B»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 14A»               | PREFIX 5.32SL    | 1.33   | LAA 6   | 99       | 99       | 99       | 99       | 99       | 99       |
|                    | B»TOUCHDN TOTAL  | 0.78   | LAA 6   |          |          |          |          |          |          |
|                    | C»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | D»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | E»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| 15A»               | FIERCE 76WG      | 0.14   | LAA 6   | 99       | 99       | 99       | 99       | 99       | 99       |
|                    | B»RNDUP POWERMAX | 0.77   | LAA 6   |          |          |          |          |          |          |
|                    | C»2,4-D LVE      | 0.47   | LAA 6   |          |          |          |          |          |          |
|                    | D»LIQUID AMS     | 2.50   | PMV 6   |          |          |          |          |          |          |
|                    | E»RNDUP POWERMAX | 0.75   | LAA 12  |          |          |          |          |          |          |
|                    | F»LIQUID AMS     | 2.50   | PMV 12  |          |          |          |          |          |          |
| LSD (0.05)         |                  |        |         | 0.00     | 0.00     | 0.00     | 0.00     | 2.00     | 2.51     |
| STANDARD DEVIATION |                  |        |         | 0.00     | 0.00     | 0.00     | 0.00     | 1.00     | 1.23     |

**TITLE:** NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100  
**CREATED:** 04/14/2015 **REVISED:** 07/17/2015 **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  | TREATMENT      | DOSAGE | PHBPU   | CON %    |
|------|----------------|--------|---------|----------|
| NUM  | COMPONENT      | RATE   | UNIT TM | 07/01/15 |
| 1A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 94       |
| B»   | COC            | 1.00   | PMV 6   |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 2A»  | NUP-14008 3.76 | 0.94   | LAA 6   | 97       |
| B»   | COC            | 1.00   | PMV 6   |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 3A   | WEEDAR 64 SL   | 0.47   | LAA 6   | 92       |
| B»   | CLASH 4L       | 0.078  | LAA 6   |          |
| C»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |
| D»   | COC            | 1.00   | PMV 6   |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 4A   | WEEDAR 64 SL   | 0.71   | LAA 6   | 98       |
| B»   | CLASH 4L       | 0.125  | LAA 6   |          |
| C»   | PANTHER 51 WDG | 0.064  | LAA 6   |          |
| D»   | COC            | 1.00   | PMV 6   |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 5A»  | SPITFIRE 3.57L | 0.89   | LAA 6   | 90       |
| B»   | COC            | 1.00   | PMV 6   |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 6A»  | PANTHER 51 WDG | 0.064  | LAA 6   | 94       |
| B»   | COC            | 1.00   | PMV 6   |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 7A»  | CREDIT XTREME  | 0.77   | LAA 6   | 86       |
| B»   | LIQUID AMS     | 2.50   | PMV 6   |          |
| C»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| D»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 8A»  | SPITFIRE 3.57L | 0.56   | LAA 6   | 95       |
| B»   | PANTHER 51 WDG | 0.04   | LAA 6   |          |
| C»   | COC            | 1.00   | PMV 6   |          |
| D»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| E»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 9A»  | NUP-14008 3.76 | 0.59   | LAA 6   | 95       |
| B»   | COC            | 1.00   | PMV 6   |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 10A» | NUP-14008 3.76 | 0.94   | LAA 6   | 95       |
| B»   | COC            | 1.00   | PMV 6   |          |
| C»   | CREDIT XTREME  | 0.77   | LAA 6   |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |
| 11A» | SPITFIRE 3.57L | 0.56   | LAA 6   | 84       |
| B»   | CREDIT XTREME  | 0.77   | LAA 6   |          |
| C»   | COC            | 1.00   | PMV 6   |          |
| D»   | LIQUID AMS     | 2.50   | PMV 6   |          |
| E»   | RNDUP POWERMAX | 0.75   | LAA 12  |          |
| F»   | LIQUID AMS     | 2.50   | PMV 12  |          |

TITLE: NUP-14008 (Panther Trio) for Spring Burndown in No-till Soybean. N-100

| TRT  | TREATMENT        | DOSAGE             | PHBPU | CON %       |
|------|------------------|--------------------|-------|-------------|
| NUM  | COMPONENT        | RATE               | UNIT  | TM 07/01/15 |
| 12A» | SPITFIRE 3.57L   | 0.56               | LAA   | 6           |
|      | B»CREDIT XTREME  | 0.77               | LAA   | 6           |
|      | C»PANTHER 51 WDG | 0.04               | LAA   | 6           |
|      | D»COC            | 1.00               | PMV   | 6           |
|      | E»LIQUID AMS     | 2.50               | PMV   | 6           |
|      | F»RNDUP POWERMAX | 0.75               | LAA   | 12          |
|      | G»LIQUID AMS     | 2.50               | PMV   | 12          |
| 13A  | CHECK            | 0.00               | NA    | 0           |
|      | B»RNDUP POWERMAX | 0.75               | LAA   | 12          |
|      | C»LIQUID AMS     | 2.50               | PMV   | 12          |
| 14A» | PREFIX 5.32SL    | 1.33               | LAA   | 6           |
|      | B»TOUCHDN TOTAL  | 0.78               | LAA   | 6           |
|      | C»LIQUID AMS     | 2.50               | PMV   | 6           |
|      | D»RNDUP POWERMAX | 0.75               | LAA   | 12          |
|      | E»LIQUID AMS     | 2.50               | PMV   | 12          |
| 15A» | FIERCE 76WG      | 0.14               | LAA   | 6           |
|      | B»RNDUP POWERMAX | 0.77               | LAA   | 6           |
|      | C»2,4-D LVE      | 0.47               | LAA   | 6           |
|      | D»LIQUID AMS     | 2.50               | PMV   | 6           |
|      | E»RNDUP POWERMAX | 0.75               | LAA   | 12          |
|      | F»LIQUID AMS     | 2.50               | PMV   | 12          |
|      |                  | LSD (0.05)         | 5.19  |             |
|      |                  | STANDARD DEVIATION | 2.53  |             |

» = SUPPLEMENTAL CHEMICAL

## \* TIMING CODES

00 = --- / UNTREATED TIMING  
 06 = --- / EPP 7 DBP 05/13/2015(1)  
 12 = --- / POST 06/18/2015(2)

| H#  | CUSTOM#1 | CUSTOM#2 | EV. DATE   | S# | TYP | SPECIE | STAGE | RAW | PRT | SYM | MTH | CNF | BASIS   | C.M | CTRT | SS | NOTE |
|-----|----------|----------|------------|----|-----|--------|-------|-----|-----|-----|-----|-----|---------|-----|------|----|------|
| 001 | STEME    | CON %    | 05/22/2015 | 02 | P   | STEME  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 002 | LAMAM    | CON %    | 05/22/2015 | 03 | P   | LAMAM  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 003 | ERICA    | CON %    | 05/22/2015 | 04 | P   | ERICA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 004 | CHEAL    | CON %    | 05/22/2015 | 05 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 005 | AMBEL    | CON %    | 05/22/2015 | 06 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 006 | SETFA    | CON %    | 05/22/2015 | 07 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 007 | PHBPU    | CON %    | 05/22/2015 | 08 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 008 | GLXMA    | CON %    | 06/03/2015 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 009 | STEME    | CON %    | 06/03/2015 | 02 | P   | STEME  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 010 | LAMAM    | CON %    | 06/03/2015 | 03 | P   | LAMAM  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 011 | ERICA    | CON %    | 06/03/2015 | 04 | P   | ERICA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 012 | CHEAL    | CON %    | 06/03/2015 | 05 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 013 | AMBEL    | CON %    | 06/03/2015 | 06 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 014 | SETFA    | CON %    | 06/03/2015 | 07 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 015 | PHBPU    | CON %    | 06/03/2015 | 08 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 016 | GLXMA    | CON %    | 06/18/2015 | 01 | P   | GLXMA  | 17    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 017 | STEME    | CON %    | 06/18/2015 | 02 | P   | STEME  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 018 | LAMAM    | CON %    | 06/18/2015 | 03 | P   | LAMAM  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 019 | ERICA    | CON %    | 06/18/2015 | 04 | P   | ERICA  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 020 | CHEAL    | CON %    | 06/18/2015 | 05 | P   | CHEAL  | 19    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 021 | AMBEL    | CON %    | 06/18/2015 | 06 | P   | AMBEL  | 16    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 022 | SETFA    | CON %    | 06/18/2015 | 07 | P   | SETFA  | 16    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 023 | PHBPU    | CON %    | 06/18/2015 | 08 | P   | PHBPU  | 17    | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 024 | GLXMA    | CON %    | 07/01/2015 | 01 | P   | GLXMA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 025 | STEME    | CON %    | 07/01/2015 | 02 | P   | STEME  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 026 | LAMAM    | CON %    | 07/01/2015 | 03 | P   | LAMAM  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 027 | ERICA    | CON %    | 07/01/2015 | 04 | P   | ERICA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 028 | CHEAL    | CON %    | 07/01/2015 | 05 | P   | CHEAL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 029 | AMBEL    | CON %    | 07/01/2015 | 06 | P   | AMBEL  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 030 | SETFA    | CON %    | 07/01/2015 | 07 | P   | SETFA  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |
| 031 | PHBPU    | CON %    | 07/01/2015 | 08 | P   | PHBPU  |       | RAW | ALL | CON | %   | --- | 1.00 PL | NO  | 0001 | 0  | N    |

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

01 = A 3231RR

**\* STAGE CODE**

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
16 = 6 LEAVES UNFOLDED  
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES  
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED