

| | Date | Amount | Unit | Type |
|-----|-----------|--------|------|-------------------------------|
| 1. | 2/May/07 | 0.04 | IN | |
| 2. | 3/May/07 | 1.24 | IN | |
| 3. | 13/May/07 | | | FLUSH |
| 4. | 15/May/07 | 0.02 | IN | |
| 5. | 16/May/07 | 0.01 | IN | |
| 6. | 17/May/07 | 0.01 | IN | |
| 7. | 21/May/07 | | | FLUSH |
| 8. | 3/Jun/07 | 0.02 | IN | |
| 9. | 12/Jun/07 | | | FERTILIZE - 300# prilled urea |
| 10. | 12/Jun/07 | | | FLOOD |
| 11. | 16/Jun/07 | 0.01 | IN | |
| 12. | 18/Jun/07 | 0.02 | IN | |
| 13. | 19/Jun/07 | 0.4 | IN | |
| 14. | 2/Jul/07 | 0.3 | IN | |
| 15. | 3/Jul/07 | 0.06 | IN | |
| 16. | 4/Jul/07 | 1.14 | IN | |
| 17. | 5/Jul/07 | 0.31 | IN | |
| 18. | 6/Jul/07 | 0.27 | IN | |
| 19. | 7/Jul/07 | 1.39 | IN | |
| 20. | 9/Jul/07 | 0.36 | IN | |
| 21. | 10/Jul/07 | 0.01 | IN | |
| 22. | 11/Jul/07 | 0.27 | IN | |
| 23. | 13/Jul/07 | 0.3 | IN | |
| 24. | 14/Jul/07 | 1.96 | IN | |
| 25. | 15/Jul/07 | 2.8 | IN | |
| 26. | 17/Jul/07 | 1.56 | IN | |
| 27. | 20/Jul/07 | 0.93 | IN | |
| 28. | 21/Jul/07 | 0.1 | IN | |
| 29. | 22/Jul/07 | 0.01 | IN | |
| 30. | 30/Jul/07 | 2.35 | IN | |

Application Description

| | A | B | C | D |
|--------------------------------|-----------|-----------|----------|----------|
| Application Date: | 18/May/07 | 28/May/07 | 1/Jun/07 | 9/Jun/07 |
| Application Method: | SPRAY | SPRAY | SPRAY | SPRAY |
| Application Timing: | DPRE | EPOST | MPOST | LPOST |
| Application Placement: | BROSOI | BROFOL | BROFOL | BROFOL |
| Air Temperature, Unit: | 67 F | 77 F | 85 F | 98 F |
| % Relative Humidity: | 45 | 71 | 41 | 62 |
| Wind Velocity, Unit: | 4 MPH | 3 MPH | 7 MPH | 4 MPH |
| Wind Direction: | N | E | E | E |
| Soil Temperature, Unit: | 65 F | 75 F | 86 F | 90 F |
| % Cloud Cover: | 0 | 0 | 0 | |

Crop Stage At Each Application

| | A | B | C | D |
|---------------------------------|-------|-----------|-----------|-----------|
| Crop 1 Code, BBCH Scale: | ORYSA | BRICORYSA | BRICORYSA | BRICORYSA |
| Stage Scale Used: | N/A | 2-4 LF | 3-4 LF | 5 LF |
| Stage Majority, Percent: | | | | 5" |
| Stage Maximum, Percent: | | | | 6" |

Pest Stage At Each Application

| | A | B | C | D |
|-----------------------------------|-------|--------|--------|--------|
| Pest 1 Code, Disc., Scale: | ECHCG | WECHCG | WECHCG | WECHCG |
| Stage Majority, Percent: | N/A | 2-3 LF | 3-5 LF | 4-5 LF |
| Stage Minimum, Percent: | | .5" | .5" | 3" |
| Stage Maximum, Percent: | | 1" | 1.5" | 4" |
| Pest 2 Code, Disc., Scale: | CYPES | WCYPES | WCYPES | WCYPES |
| Stage Majority, Percent: | N/A | 6-8 LF | 7-8 LF | |
| Stage Minimum, Percent: | | 6" | 6" | |
| Stage Maximum, Percent: | | 8" | 8" | |
| Pest 3 Code, Disc., Scale: | CYPCP | WCYPCP | WCYPCP | WCYPCP |

| | | | | |
|----------------------------|-------|--------|--------|----------|
| Stage Majority, Percent: | N/A | 1-2 LF | 3-4 LF | |
| Stage Minimum, Percent: | | .5" | 1" | |
| Stage Maximum, Percent: | | .5" | 1" | |
| Pest 4 Code, Disc., Scale: | LEFPA | WLEFPA | WLEFPA | WLEFPA W |
| Stage Majority, Percent: | N/A | 4-5 LF | | 1-2 T |
| Stage Minimum, Percent: | | .5" | | 3" |
| Stage Maximum, Percent: | | 1" | | 4" |
| Pest 5 Code, Disc., Scale: | COMDI | WCOMDI | WCOMDI | WCOMDI W |
| Stage Majority, Percent: | N/A | 3-4 LF | 4-5 LF | 4-5 LF |
| Stage Minimum, Percent: | | 1" | 1" | 1" |
| Stage Maximum, Percent: | | 1" | 1.5" | 2" |

Application Equipment

| | A | B | C |
|----------------------------------|-----------|-----------|-----------|
| Appl. Equipment: | Backpack | Backpack | Backpack |
| Operating Pressure, Unit: | 31 PSI | 31 PSI | 31 PSI |
| Nozzle Type: | Greenleaf | Greenleaf | Greenleaf |
| Nozzle Size: | 11002 | 11002 | 11002 |
| Nozzle Spacing, Unit: | 20 IN | 20 IN | 20 IN |
| Nozzles/Row: | 2 | 2 | 2 |
| Ground Speed, Unit: | 2.8 MPH | 2.8 MPH | 2.8 MPH |
| Carrier: | Water | Water | Water |
| Spray Volume, Unit: | 15 GAL/AC | 15 GAL/AC | 15 GAL/AC |
| Propellant: | CO2 | CO2 | CO2 |
| | D | | |
| Appl. Equipment: | Backpack | | |
| Operating Pressure, Unit: | 31 PSI | | |
| Nozzle Type: | Greenleaf | | |
| Nozzle Size: | 11002 | | |
| Nozzle Spacing, Unit: | 20 IN | | |
| Nozzles/Row: | 2 | | |
| Ground Speed, Unit: | 2.8 MPH | | |
| Carrier: | Water | | |
| Spray Volume, Unit: | 15 GAL/AC | | |
| Propellant: | CO2 | | |

LSU Northeast Research Station

Evaluation of V-10142 for postemergence sprangletop activity.

Trial ID: SJ07R023 Protocol ID: SJ07R023
 Location: Study Director:
 Investigator: Bill Williams

| Pest Type | | | | | | | | | |
|-------------------|------------|-----------------|-------|-----------|----------|-----------|-----------|-----------|----|
| Pest Code | | | | LEFPA | LEFPA | LEFPA | LEFPA | LEFPA | |
| Crop Code | | | | | | | | | |
| Part Rated | | | | PLATOT | PPLATOT | PPLATOT | PPLATOT | PPLATOT | P |
| Rating Date | | | | 31/May/07 | 8/Jun/07 | 15/Jun/07 | 22/Jun/07 | 29/Jun/07 | |
| Rating Data Type | | | | Control | Control | Control | Control | Control | |
| Rating Unit | | | | % | % | % | % | % | |
| Trt-Eval Interval | | | | 13 DA-A | 7 DA-C | 6 DA-D | 13 DA-D | 20 DA-D | |
| Trt Treatment | Rate | Growth | | | | | | | |
| No. | Name | RateUnit | Stage | 1 | 2 | 3 | 4 | 5 | |
| 1 | Facet | 0.5 LB A/ADPRE | 0 | | b0 | d 0 | c0 | c 0 | c |
| | Regiment | 0.3 OZ/A EPOST | | | | | | | |
| | Prowl H2O | 1 LB A/AEPOST | | | | | | | |
| | Dyne-A-Pak | 1.5 % V/V EPOST | | | | | | | |
| 2 | Facet | 0.5 LB A/ADPRE | 83 | | a73 | ab77 | a87 | a 82 | ab |
| | Regiment | 0.3 OZ/A EPOST | | | | | | | |
| | Prowl H2O | 1 LB A/AEPOST | | | | | | | |
| | V-10142 | 0.5 LB A/AEPOST | | | | | | | |
| | Dyne-A-Pak | 1.5 % V/V EPOST | | | | | | | |
| 3 | Facet | 0.5 LB A/ADPRE | 82 | | a67 | b 77 | a80 | ab72 | b |
| | Regiment | 0.3 OZ/A EPOST | | | | | | | |
| | Prowl H2O | 1 LB A/AEPOST | | | | | | | |
| | V-10142 | 0.1 LB A/AEPOST | | | | | | | |
| | Dyne-A-Pak | 1.5 % V/V EPOST | | | | | | | |
| 4 | Facet | 0.5 LB A/ADPRE | 82 | | a67 | b 78 | a77 | ab72 | b |
| | Regiment | 0.3 OZ/A EPOST | | | | | | | |
| | Prowl H2O | 1 LB A/AEPOST | | | | | | | |
| | V-10142 | 0.2 LB A/AEPOST | | | | | | | |
| | Dyne-A-Pak | 1.5 % V/V EPOST | | | | | | | |
| 5 | Facet | 0.5 LB A/ADPRE | 0 | | b0 | d 0 | c0 | c 0 | c |
| | Regiment | 0.4 OZ/A MPOST | | | | | | | |
| | Prowl H2O | 1 LB A/AMPOST | | | | | | | |
| | Dyne-A-Pak | 1.5 % V/V MPOST | | | | | | | |
| 6 | Facet | 0.5 LB A/ADPRE | 0 | | b77 | a 75 | a78 | ab80 | ab |
| | Regiment | 0.4 OZ/A MPOST | | | | | | | |
| | Prowl H2O | 1 LB A/AMPOST | | | | | | | |
| | V-10142 | 0.5 LB A/AMPOST | | | | | | | |
| | Dyne-A-Pak | 1.5 % V/V MPOST | | | | | | | |
| 7 | Facet | 0.5 LB A/ADPRE | 0 | | b73 | ab82 | a80 | ab82 | ab |
| | Regiment | 0.4 OZ/A MPOST | | | | | | | |

| | | | | | | | | | |
|--------------------|------------|-----|-------------|----|--------|---------|---------|--------|--------|
| | Prowl H2O | 1 | LB A/AMPOST | | | | | | |
| | V-10142 | 0.1 | LB A/AMPOST | | | | | | |
| | Dyne-A-Pak | 1.5 | % V/V MPOST | | | | | | |
| 8 | Facet | 0.5 | LB A/ADPRE | 0 | b 53 | c 67 | b 73 | ab 82 | ab |
| | Regiment | 0.4 | OZ/A MPOST | | | | | | |
| | Prowl H2O | 1 | LB A/AMPOST | | | | | | |
| | V-10142 | 0.2 | LB A/AMPOST | | | | | | |
| | Dyne-A-Pak | 1.5 | % V/V MPOST | | | | | | |
| 9 | Facet | 0.5 | LB A/ADPRE | 0 | b 0 | d 0 | c 0 | c 0 | c |
| | Regiment | 0.4 | OZ/A LPOST | | | | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | | | |
| | Dyne-A-Pak | 1.5 | % V/V LPOST | | | | | | |
| 10 | Facet | 0.5 | LB A/ADPRE | 0 | b 0 | d 78 | a 75 | ab 78 | ab |
| | Regiment | 0.4 | OZ/A LPOST | | | | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | | | |
| | V-10142 | 0.5 | LB A/ALPOST | | | | | | |
| | Dyne-A-Pak | 1.5 | % V/V LPOST | | | | | | |
| 11 | Facet | 0.5 | LB A/ADPRE | 0 | b 0 | d 78 | a 77 | ab 75 | b |
| | Regiment | 0.4 | OZ/A LPOST | | | | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | | | |
| | V-10142 | 0.1 | LB A/ALPOST | | | | | | |
| | Dyne-A-Pak | 1.5 | % V/V LPOST | | | | | | |
| 12 | Facet | 0.5 | LB A/ADPRE | 0 | b 0 | d 77 | a 58 | b 68 | b |
| | Regiment | 0.4 | OZ/A LPOST | | | | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | | | |
| | V-10142 | 0.2 | LB A/ALPOST | | | | | | |
| | Dyne-A-Pak | 1.5 | % V/V LPOST | | | | | | |
| 13 | Clincher | 10 | OZ/A EPOST | 60 | a 0 | d 85 | a 83 | a 92 | a |
| | COC | 1 | QT/A EPOST | | | | | | |
| | Clincher | 15 | OZ/A LPOST | | | | | | |
| | COC | 1 | QT/A LPOST | | | | | | |
| 14 | Facet | 0.5 | LB A/ADPRE | 0 | b 0 | d 0 | c 0 | c 0 | c |
| LSD (P=.10) | | | | | 20.7 | 5.2 | 6.5 | 12.7 | 9.0 |
| Standard Deviation | | | | | 14.9 | 3.7 | 4.7 | 9.1 | 6.5 |
| CV | | | | | 67.82 | 12.66 | 8.49 | 16.6 | 11.63 |
| Grand Mean | | | | | 21.9 | 29.29 | 55.24 | 54.88 | 55.83 |
| Bartlett's X2 | | | | | 8.39 | 0.0 | 2.558 | 11.315 | 5.421 |
| P(Bartlett's X2) | | | | | 0.039* | . | 0.979 | 0.255 | 0.796 |
| Replicate F | | | | | 0.820 | 1.560 | 8.233 | 6.073 | 14.666 |
| Replicate Prob(F) | | | | | 0.4515 | 0.2292 | 0.0017 | 0.0069 | 0.0001 |
| Treatment F | | | | | 17.949 | 274.840 | 181.525 | 48.331 | 97.795 |
| Treatment Prob(F) | | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |

LSU Northeast Research Station

| | | | | | |
|-------------------|-----------|-----------|----------|-----------|-----------|
| Pest Type | | | | | |
| Pest Code | | LEFPA | LEFPA | LEFPA | LEFPA |
| Crop Code | | | | | |
| Part Rated | | PLATOT | PPLATOT | PPLATOT | PPLATOT |
| Rating Date | | 31/May/07 | 8/Jun/07 | 15/Jun/07 | 22/Jun/07 |
| Rating Data Type | | Control | Control | Control | Control |
| Rating Unit | | % | % | % | % |
| Trt-Eval Interval | | 13 DA-A | 7 DA-C | 6 DA-D | 13 DA-D |
| Trt Treatment | Rate | Growth | | | |
| No. Name | Rate Unit | Stage | 1 | 2 | 3 |
| | | | 4 | 5 | |

Means followed by same letter do not significantly differ (P=.10, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

| | | |
|-------------------|----------|----------|
| Pest Type | | |
| Pest Code | LEFPA | LEFPA |
| Crop Code | | |
| Part Rated | PLATOT P | PLATOT P |
| Rating Date | 6/Jul/07 | 3/Aug/07 |
| Rating Data Type | Control | Control |
| Rating Unit | % | % |
| Trt-Eval Interval | 27 DA-D | 55 DA-D |

| Trt No. | Treatment Name | Rate | Unit | Growth Stage | 6 | 7 |
|---------|----------------|------|-------------|--------------|----|--------|
| 1 | Facet | 0.5 | LB A/ADPRE | 0 | d | 0 e |
| | Regiment | 0.3 | OZ/A EPOST | | | |
| | Prowl H2O | 1 | LB A/AEPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V EPOST | | | |
| 2 | Facet | 0.5 | LB A/ADPRE | 72 | b | 78 ab |
| | Regiment | 0.3 | OZ/A EPOST | | | |
| | Prowl H2O | 1 | LB A/AEPOST | | | |
| | V-10142 | 0.5 | LB A/AEPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V EPOST | | | |
| 3 | Facet | 0.5 | LB A/ADPRE | 67 | bc | 63 c |
| | Regiment | 0.3 | OZ/A EPOST | | | |
| | Prowl H2O | 1 | LB A/AEPOST | | | |
| | V-10142 | 0.1 | LB A/AEPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V EPOST | | | |
| 4 | Facet | 0.5 | LB A/ADPRE | 57 | bc | 53 d |
| | Regiment | 0.3 | OZ/A EPOST | | | |
| | Prowl H2O | 1 | LB A/AEPOST | | | |
| | V-10142 | 0.2 | LB A/AEPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V EPOST | | | |
| 5 | Facet | 0.5 | LB A/ADPRE | 0 | d | 0 e |
| | Regiment | 0.4 | OZ/A MPOST | | | |
| | Prowl H2O | 1 | LB A/AMPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V MPOST | | | |
| 6 | Facet | 0.5 | LB A/ADPRE | 67 | bc | 73 abc |
| | Regiment | 0.4 | OZ/A MPOST | | | |
| | Prowl H2O | 1 | LB A/AMPOST | | | |
| | V-10142 | 0.5 | LB A/AMPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V MPOST | | | |
| 7 | Facet | 0.5 | LB A/ADPRE | 63 | bc | 77 abc |
| | Regiment | 0.4 | OZ/A MPOST | | | |
| | Prowl H2O | 1 | LB A/AMPOST | | | |
| | V-10142 | 0.1 | LB A/AMPOST | | | |
| | Dyne-A-Pak | 1.5 | % V/V MPOST | | | |
| 8 | Facet | 0.5 | LB A/ADPRE | 47 | c | 47 d |
| | Regiment | 0.4 | OZ/A MPOST | | | |
| | Prowl H2O | 1 | LB A/AMPOST | | | |
| | V-10142 | 0.2 | LB A/AMPOST | | | |

| | | | | | | | |
|----|------------|-----|-------------|-------|----|----|-----|
| | Dyne-A-Pak | 1.5 | % V/V | MPOST | | | |
| 9 | Facet | 0.5 | LB A/ADPRE | 0 | d | 0 | e |
| | Regiment | 0.4 | OZ/A | LPOST | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | |
| | Dyne-A-Pak | 1.5 | % V/V | LPOST | | | |
| 10 | Facet | 0.5 | LB A/ADPRE | 67 | bc | 77 | abc |
| | Regiment | 0.4 | OZ/A | LPOST | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | |
| | V-10142 | 0.5 | LB A/ALPOST | | | | |
| | Dyne-A-Pak | 1.5 | % V/V | LPOST | | | |
| 11 | Facet | 0.5 | LB A/ADPRE | 63 | bc | 67 | bc |
| | Regiment | 0.4 | OZ/A | LPOST | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | |
| | V-10142 | 0.1 | LB A/ALPOST | | | | |
| | Dyne-A-Pak | 1.5 | % V/V | LPOST | | | |
| 12 | Facet | 0.5 | LB A/ADPRE | 60 | bc | 47 | d |
| | Regiment | 0.4 | OZ/A | LPOST | | | |
| | Prowl H2O | 1 | LB A/ALPOST | | | | |
| | V-10142 | 0.2 | LB A/ALPOST | | | | |
| | Dyne-A-Pak | 1.5 | % V/V | LPOST | | | |
| 13 | Clincher | 10 | OZ/A | EPOST | 90 | a | 87 |
| | COC | 1 | QT/A | EPOST | | | |
| | Clincher | 15 | OZ/A | LPOST | | | |
| | COC | 1 | QT/A | LPOST | | | |
| 14 | Facet | 0.5 | LB A/ADPRE | 0 | d | 0 | e |

| | | |
|--------------------|--------|--------|
| LSD (P=.10) | 12.2 | 9.0 |
| Standard Deviation | 8.8 | 6.5 |
| CV | 18.83 | 13.54 |
| Grand Mean | 46.55 | 47.74 |
| Bartlett's X2 | 14.344 | 4.746 |
| P(Bartlett's X2) | 0.073 | 0.856 |
| Replicate F | 4.473 | 0.356 |
| Replicate Prob(F) | 0.0214 | 0.7039 |
| Treatment F | 39.812 | 80.216 |
| Treatment Prob(F) | 0.0001 | 0.0001 |

LSU Northeast Research Station

| | | | |
|-------------------|-----------|----------|----------|
| Pest Type | | | |
| Pest Code | | LEFPA | LEFPA |
| Crop Code | | | |
| Part Rated | | PLATOT P | PLATOT P |
| Rating Date | | 6/Jul/07 | 3/Aug/07 |
| Rating Data Type | | Control | Control |
| Rating Unit | | % | % |
| Trt-Eval Interval | | 27 DA-D | 55 DA-D |
| Trt Treatment | Rate | Growth | |
| No. Name | Rate Unit | Stage | 6 7 |

Means followed by same letter do not significantly differ (P=.10, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.