

# LSU Northeast Research Station

## Evaluation of V-10142 postemergence activity on Texasweed when applied alone and in combination with other herbicides.

Trial ID: SJ06R023  
Location:

Protocol ID: SJ06R023  
Study Director:  
Investigator: Bill Williams

### General Trial Information

Investigator: Bill Williams

### Crop Description

**Crop 1:** ORYSA Oryza sativa Common rice  
**Variety:** Cocodrie  
**BBCH Scale:** BRIC  
**Planting Method:** DRILLED  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 8 IN  
**Seed Bed:** MEDIUM  
**Soil Moisture:** DRY  
**Planting Date:** 4/24/06  
**Rate, Unit:** 100 LB/A  
**Emergence Date:** 5/4/06  
**Harvest Equipment:** Small plot combine  
**Harvested Width, Unit:** 5 FT  
**Harvested Length, Unit:** 12 FT  
**% Standard Moisture:** 12.0

### Pest Description

**Pest 1 Type:** W **Code:** ECHCG Echinochloa crus-galli  
**Common Name:** Common barnyardgrass  
**Pest 2 Type:** W **Code:** SEBEX Sesbania exaltata  
**Common Name:** Hemp sesbania  
**Pest 3 Type:** W **Code:** CNPPA Caperonia palustris  
**Common Name:** Texasweed  
**Pest 4 Type:** W **Code:** COMDI Commelina diffusa  
**Common Name:** Spreading dayflower

### Site and Design

**Plot Width, Unit:** 6.67 FT **Site Type:** FIELD  
**Plot Length, Unit:** 15 FT **Tillage Type:** CONVENTIONAL-TILL  
**Replications:** 3 **Study Design:** Randomized Complete Block

### Maintenance

| No. | Date   | Maintenance Treatment Name | Rate | Rate Unit |
|-----|--------|----------------------------|------|-----------|
| 1.  | 6/7/06 | Prilled urea               | 300  | LB/A      |

### Soil Description

**Description Name:** Bay 3 - South End  
**% Sand:** 25.2 **% OM:** 2.07 **Texture:** Clay  
**% Silt:** 32.8 **pH:** 6.87 **Soil Name:** Sharkey  
**% Clay:** 42 **CEC:** 21.9 **Fert. Level:** Excellent

### Moisture Conditions

**Overall Moisture Conditions:** Dry  
**Closest Weather Station:** Northeast Research Station **Distance:** 0.25 **Unit:** MI

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|     | Date    | Time    | Amount | Unit | Type          | Interval | Unit |
|-----|---------|---------|--------|------|---------------|----------|------|
| 1.  | 4/26/06 | 5:00 am | 0.62   | In   | Rain          | 7        | Hou  |
| 2.  | 4/26/06 | 10:00 p |        |      |               | 3        | Hou  |
| 3.  | 4/27/06 | 8:00 am | 0.15   | In   | Rain          | 1        | Hou  |
| 4.  | 4/30/06 | 8:30 am | 1.19   | In   | Rain          | 1        | Hou  |
| 5.  | 5/5/06  | 8:00 pm | 1.49   | In   | Rain          | 1        | Hou  |
| 6.  | 5/5/06  | 4:00 am |        |      |               | 4        | Hou  |
| 7.  | 5/6/06  | 8:00 am | 0.31   | In   | Rain          | 3.5      | Hou  |
| 8.  | 5/7/06  | 11:00 a | 1.06   | In   | Rain          | 4        | Hou  |
| 9.  | 5/7/06  | 12:00 p |        |      |               | 2        | Hou  |
| 10. | 5/9/06  | 7:00 pm | 0.39   | In   | Rain          | 0.75     | Hou  |
| 11. | 5/11/06 | 7:15 pm | 0.2    | In   | Rain          | 0.5      | Hou  |
| 12. | 5/15/06 | 10:00 a | 0.21   | In   | Rain          | 1        | Hou  |
| 13. | 5/19/06 |         |        |      | Flush         |          |      |
| 14. | 5/27/06 |         |        |      | Flush         |          |      |
| 15. | 5/28/06 | 5:00 pm | 0.18   | In   | Rain          | 1        | Hou  |
| 16. | 5/29/06 | 2:30 pm | 0.46   | In   | Rain          | 2.5      | Hou  |
| 17. | 5/30/06 | 1:30 pm | 0.79   | In   | Rain          | 3        | Hou  |
| 18. | 6/2/06  | 6:30 pm | 0.03   | In   | Rain          | 1        | Hou  |
| 19. | 6/7/06  |         |        |      | Fertilize     |          |      |
| 20. | 6/7/06  |         |        |      | Perment Flood |          |      |
| 21. | 6/17/06 | 7:00 pm | 0.03   | In   | Rain          | 1        | Hou  |
| 22. | 6/18/06 | 10:00 p | 0.01   | In   | Rain          | 1        | Hou  |
| 23. | 6/19/06 | 10:00 p | 0.05   | In   | Rain          | 1        | Hou  |
| 24. | 6/20/06 | 2:30 pm | 0.19   | In   | Rain          | 1        | Hou  |
| 25. | 6/24/06 | 9:00 pm | 0.07   | In   | Rain          | 1        | Hou  |
| 26. | 7/3/06  | 1:00 pm | 0.07   | In   | Rain          | 0.5      | Hou  |
| 27. | 7/4/06  | 3:00 pm | 0.69   | In   | Rain          | 1.5      | Hou  |
| 28. | 7/4/06  | 7:00 am |        |      |               | 1        | Hou  |
| 29. | 7/5/06  | 12:00 a | 1.25   | In   | Rain          | 0.75     | Hou  |
| 30. | 7/5/06  | 6:00pm  |        |      |               | 1.5      | Hou  |
| 31. | 7/6/06  | 6:00 pm | 0.35   | In   | Rain          | 3.5      | Hou  |
| 32. | 7/11/06 | 2:00 pm | 0.45   | In   | Rain          | 2        | Hou  |

### Application Description

|                                | A      | B       | C      |
|--------------------------------|--------|---------|--------|
| <b>Application Date:</b>       | 5/9/06 | 5/27/06 | 6/2/06 |
| <b>Time of Day:</b>            | 11:00  | 6:30am  | 10:00  |
| <b>Application Method:</b>     | SPRAY  | SPRAY   | SPRAY  |
| <b>Application Timing:</b>     | EPOST  | LPOST   | 3DPF   |
| <b>Application Placement:</b>  | BROFOL | BROFOL  | BROFOL |
| <b>Air Temperature, Unit:</b>  | 82 F   | 74 F    | 90 F   |
| <b>% Relative Humidity:</b>    | 88     | 86      | 54     |
| <b>Wind Velocity, Unit:</b>    | 8 MPH  | 1 MPH   | 0 MPH  |
| <b>Wind Direction:</b>         | S      | SE      |        |
| <b>Soil Temperature, Unit:</b> | 76 F   | 79 F    | 89 F   |
| <b>Soil Moisture:</b>          | Wet    | DRY     | DAMP   |
| <b>% Cloud Cover:</b>          | 80     | 0       | 100    |

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## Crop Stage At Each Application

|                                 | A          | B          | C          |
|---------------------------------|------------|------------|------------|
| <b>Crop 1 Code, BBCH Scale:</b> | ORYSA BRIC | ORYSA BRIC | ORYSA BRIC |
| <b>Stage Scale Used:</b>        | BBCH       | BBCH       | BBCH       |
| <b>Stage Majority, Percent:</b> | 2 LF 100   | 4-5 LF 100 | 4-6 LF     |
| <b>Height, Unit:</b>            | 2 IN       | 4 IN       | 5 IN       |
| <b>Height Minimum, Maximum:</b> | 2 2        | 4 4        | 4 6        |

## Pest Stage At Each Application

|                                   | A        | B          | C          |
|-----------------------------------|----------|------------|------------|
| <b>Pest 1 Code, Disc., Scale:</b> | ECHCG W  | ECHCG W    | ECHCG W    |
| <b>Stage Majority, Percent:</b>   | 3 LF 100 | 1 TILL 100 | 1 TILL 100 |
| <b>Height, Unit:</b>              | 2 IN     | 4 IN       | 5 IN       |
| <b>Height Minimum, Maximum:</b>   | 2 2      | 4 4        | 4 6        |
| <b>Pest 2 Code, Disc., Scale:</b> | SEBEX W  | SEBEX W    | SEBEX W    |
| <b>Stage Majority, Percent:</b>   | 2 LF 100 | 6 LF 100   |            |
| <b>Height, Unit:</b>              | 1 IN     | 6 IN       | 7 IN       |
| <b>Height Minimum, Maximum:</b>   | 1 1      | 6 6        | 6 8        |
| <b>Pest 3 Code, Disc., Scale:</b> | CNPPA W  | CNPPA W    | CNPPA W    |
| <b>Stage Majority, Percent:</b>   | COT 100  | 5 LF 100   | 9-10LF 100 |
| <b>Height, Unit:</b>              | 0.5 IN   | 4 IN       | 7 IN       |
| <b>Height Minimum, Maximum:</b>   | 0.5 0.5  | 4 4        | 8 9        |
| <b>Pest 4 Code, Disc., Scale:</b> | COMDI W  | COMDI W    | COMDI W    |
| <b>Stage Majority, Percent:</b>   | 1 LF 100 | 3-4 LF 100 |            |
| <b>Height, Unit:</b>              | 2 IN     | 3 IN       | 5 IN       |
| <b>Height Minimum, Maximum:</b>   | 2 2      | 3 3        | 4 6        |

## Application Equipment

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

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Trial ID: SJ06R023  
Location:

Protocol ID: SJ06R023  
Study Director:  
Investigator: Bill Williams

| Pest Type                     | W Weed  | CNPPA                                       | CNPPA                       | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | SEBEX    |         |        |
|-------------------------------|---|---|-----------------------------|----------|----------|----------|----------|----------|----------|----------|---------|--------|
| Pest Code                     | CNPPA   | CNPPA                                       | CNPPA                       | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    |         |        |
| Crop Code                     |   |   |                             |          |          |          |          |          |          |          |         |        |
| BBCH Scale                    |   |   |                             |          |          |          |          |          |          |          |         |        |
| Crop Name                     |   |   |                             |          |          |          |          |          |          |          |         |        |
| Part Rated                    | PLATOT P                                      | PLATOT P                                    | PLATOT P                    | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P |         |        |
| Rating Date                   | 5/16/06                                       | 5/23/06                                     | 5/31/06                     | 6/6/06   | 6/22/06  | 6/30/06  | 7/7/06   | 7/21/06  | 5/16/06  |          |         |        |
| Rating Data Type              | CONTROL                                       | CONTROL                                     | CONTROL                     | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  |         |        |
| Rating Unit                   | %   | %   | %                           | %        | %        | %        | %        | %        | %        | %        |         |        |
| Days After First/Last Applic. | 7 7   | 14 14                                       | 22 4                        | 28 4     | 44 20    | 52 28    | 59 35    | 73 49    | 7 7      |          |         |        |
| Trt-Eval Interval             | 7 DA-A  | 14 DA-A                                     | 22 DA-A                     | 10 DA-B  | 26 DA-B  | 34 DA-B  | 41 DA-B  | 55 DA-B  | 7 DA-A   |          |         |        |
| Plant-Eval Interval           | 22 DP-1                                       | 29 DP-1                                     | 37 DP-1                     | 43 DP-1  | 59 DP-1  | 67 DP-1  | 74 DP-1  | 88 DP-1  | 22 DP-1  |          |         |        |
| ARM Action Codes              |   |   |                             |          |          |          |          |          |          |          |         |        |
| Number of Decimals            |   |   |                             |          |          |          |          |          |          |          |         |        |
| Trt No.                       | Treatment Name                                | Rate  | Unit                        | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8       | 9      |
| 1                             | Ricestar                                      | 22  | oz/a                        | 0.0 c    | 0.0 d    | 0.0 c    | 0.0 f    | 0.0 e    | 0.0 e    | 0.0 d    | 0.0 e   | 0.0 b  |
| 2                             | V-10142<br>COC<br>Ricestar                    | 0.2 lb ai/a<br>1 % v/v<br>22                | ai/a<br>v/v<br>oz/a         | 73.3 a   | 78.3 bc  | 91.7 a   | 91.7 a   | 93.3 a   | 90.0 ab  | 95.0 a   | 90.0 ab | 76.7 a |
| 3                             | V-10142<br>COC<br>Ricestar                    | 0.2 lb ai/a<br>1 % v/v<br>22                | ai/a<br>v/v<br>oz/a         | 0.0 c    | 0.0 d    | 0.0 c    | 76.7 bc  | 66.7 bc  | 53.3 c   | 30.0 c   | 0.0 e   | 0.0 b  |
| 4                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3 oz/a<br>0.2 lb ai/a<br>1.5 % v/v<br>22  | oz/a<br>ai/a<br>v/v<br>oz/a | 76.7 a   | 86.7 a   | 93.3 a   | 90.0 a   | 93.3 a   | 95.0 a   | 95.0 a   | 93.3 a  | 85.0 a |
| 5                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3 oz/a<br>0.15 lb ai/a<br>1.5 % v/v<br>22 | oz/a<br>ai/a<br>v/v<br>oz/a | 76.7 a   | 83.3 ab  | 95.0 a   | 93.3 a   | 95.0 a   | 95.0 a   | 95.0 a   | 90.0 ab | 90.0 a |
| 6                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3 oz/a<br>0.1 lb ai/a<br>1.5 % v/v<br>22  | oz/a<br>ai/a<br>v/v<br>oz/a | 73.3 a   | 81.7 ab  | 90.0 a   | 90.0 a   | 95.0 a   | 95.0 a   | 95.0 a   | 88.3 ab | 90.0 a |
| 7                             | Regiment<br>Dyne-A-Pak<br>Ricestar            | 0.3 oz/a<br>1.5 % v/v<br>22                 | oz/a<br>v/v<br>oz/a         | 66.7 b   | 75.0 c   | 63.3 b   | 56.7 e   | 50.0 c   | 30.0 d   | 0.0 d    | 0.0 e   | 95.0 a |
| 8                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3 oz/a<br>0.2 lb ai/a<br>1.5 % v/v<br>22  | oz/a<br>ai/a<br>v/v<br>oz/a | 0.0 c    | 0.0 d    | 0.0 c    | 66.7 cde | 85.0 a   | 95.0 a   | 80.0 a   | 76.7 b  | 0.0 b  |
| 9                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3 oz/a<br>0.15 lb ai/a<br>1.5 % v/v<br>22 | oz/a<br>ai/a<br>v/v<br>oz/a | 0.0 c    | 0.0 d    | 0.0 c    | 75.0 bcd | 86.7 a   | 93.3 a   | 60.0 b   | 53.3 c  | 0.0 b  |
| 10                            | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3 oz/a<br>0.1 lb ai/a<br>1.5 % v/v<br>22  | oz/a<br>ai/a<br>v/v<br>oz/a | 0.0 c    | 0.0 d    | 0.0 c    | 80.0 ab  | 78.3 ab  | 73.3 abc | 53.3 b   | 30.0 d  | 0.0 b  |
| 11                            | Regiment<br>Dyne-A-Pak<br>Ricestar            | 0.3 oz/a<br>1.5 % v/v<br>22                 | oz/a<br>v/v<br>oz/a         | 0.0 c    | 0.0 d    | 0.0 c    | 63.3 de  | 56.7 c   | 50.0 c   | 0.0 d    | 0.0 e   | 0.0 b  |
| 12                            | Regiment<br>Dyne-A-Pak                        | 0.5 oz/a<br>1.5 % v/v                       | oz/a<br>v/v                 | 0.0 c    | 0.0 d    | 0.0 c    | 0.0 f    | 61.7 c   | 63.3 bc  | 0.0 d    | 0.0 e   | 0.0 b  |
| 13                            | Grasp<br>COC                                  | 2.3 oz/a<br>1 qt/a                          | oz/a<br>qt/a                | 0.0 c    | 0.0 d    | 0.0 c    | 0.0 f    | 30.0 d   | 0.0 e    | 0.0 d    | 0.0 e   | 0.0 b  |
| 14                            | Regiment<br>V-10142<br>Dyne-A-Pak             | 0.5 oz/a<br>0.2 lb ai/a<br>1.5 % v/v        | oz/a<br>ai/a<br>v/v         | 0.0 c    | 0.0 d    | 0.0 c    | 0.0 f    | 90.0 a   | 86.7 ab  | 86.7 a   | 88.3 ab | 0.0 b  |

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| Pest Type                     | W Weed      | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | CNPPA    | SEBEX    |        |
|-------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| Pest Code                     | CNPPA       |          |          |          |          |          |          |          |          |        |
| Crop Code                     |             |          |          |          |          |          |          |          |          |        |
| BBCH Scale                    |             |          |          |          |          |          |          |          |          |        |
| Crop Name                     |             |          |          |          |          |          |          |          |          |        |
| Part Rated                    | PLATOT P    | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P |        |
| Rating Date                   | 5/16/06     | 5/23/06  | 5/31/06  | 6/6/06   | 6/22/06  | 6/30/06  | 7/7/06   | 7/21/06  | 5/16/06  |        |
| Rating Data Type              | CONTROL     | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  |        |
| Rating Unit                   | %           | %        | %        | %        | %        | %        | %        | %        | %        |        |
| Days After First/Last Applic. | 7 7         | 14 14    | 22 4     | 28 4     | 44 20    | 52 28    | 59 35    | 73 49    | 7 7      |        |
| Trt-Eval Interval             | 7 DA-A      | 14 DA-A  | 22 DA-A  | 10 DA-B  | 26 DA-B  | 34 DA-B  | 41 DA-B  | 55 DA-B  | 7 DA-A   |        |
| Plant-Eval Interval           | 22 DP-1     | 29 DP-1  | 37 DP-1  | 43 DP-1  | 59 DP-1  | 67 DP-1  | 74 DP-1  | 88 DP-1  | 22 DP-1  |        |
| ARM Action Codes              |             |          |          |          |          |          |          |          |          |        |
| Number of Decimals            |             |          |          |          |          |          |          |          |          |        |
| Trt Treatment                 | Rate        |          |          |          |          |          |          |          |          |        |
| No. Name                      | Rate Unit   | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9      |
| 15 Grasp                      | 2.3 oz/a    | 0.1 c    | 0.0 d    | 0.1 c    | 0.0 f    | 95.6 a   | 79.0 ab  | 94.3 a   | 88.4 ab  | 0.0 b  |
| V-10142                       | 0.2 lb ai/a |          |          |          |          |          |          |          |          |        |
| COC                           | 1 qt/a      |          |          |          |          |          |          |          |          |        |
| 16 Regiment                   | 0.5 oz/a    | 0.0 c    | 0.0 d    | 0.0 c    | 0.0 f    | 86.7 a   | 85.0 ab  | 80.0 a   | 91.7 a   | 20.0 b |
| Permit                        | 0.5 oz/a    |          |          |          |          |          |          |          |          |        |
| Dyne-A-Pak                    | 1.5 % v/v   |          |          |          |          |          |          |          |          |        |
| LSD (P=.05)                   |             | 5.41     | 4.97     | 3.78     | 9.78     | 12.51    | 18.05    | 12.95    | 9.58     | 14.83  |
| Standard Deviation            |             | 3.24     | 2.98     | 2.27     | 5.86     | 7.49     | 10.81    | 7.75     | 5.74     | 8.88   |
| CV                            |             | 14.13    | 11.77    | 8.37     | 11.97    | 10.3     | 15.96    | 14.35    | 11.62    | 31.12  |
| Bartlett's X2                 |             | 0.0      | 3.248    | 1.461    | 6.96     | 19.199   | 16.229   | 4.67     | 17.232   | 4.435  |
| P(Bartlett's X2)              |             | 1.00     | 0.517    | 0.691    | 0.541    | 0.024*   | 0.023*   | 0.198    | 0.016*   | 0.035* |
| Replicate F                   |             | 1.397    | 3.346    | 0.105    | 0.061    | 3.633    | 3.931    | 0.771    | 1.729    | 1.136  |
| Replicate Prob(F)             |             | 0.2634   | 0.0493   | 0.9006   | 0.9413   | 0.0391   | 0.0309   | 0.4719   | 0.1953   | 0.3351 |
| Treatment F                   |             | 353.756  | 510.240  | 1032.388 | 142.885  | 40.200   | 27.511   | 86.376   | 166.244  | 65.147 |
| Treatment Prob(F)             |             | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001 |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

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| Pest Type                     | SEBEX   | SEBEX                    | SEBEX                            | SEBEX    | SEBEX    | SEBEX    | SEBEX    | SEBEX    | ORYSA       |          |          |
|-------------------------------|---|--------------------------|----------------------------------|----------|----------|----------|----------|----------|-------------|----------|----------|
| Pest Code                     |   |                          |                                  |          |          |          |          |          | BRIC        |          |          |
| Crop Code                     |   |                          |                                  |          |          |          |          |          | Common rice |          |          |
| BBCH Scale                    |   |                          |                                  |          |          |          |          |          | GRAIN C     |          |          |
| Crop Name                     |   |                          |                                  |          |          |          |          |          | 9/13/06     |          |          |
| Part Rated                    | PLATOT P                                      | PLATOT P                 | PLATOT P                         | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | YIELD       |          |          |
| Rating Date                   | 5/23/06                                       | 5/31/06                  | 6/6/06                           | 6/22/06  | 6/30/06  | 7/7/06   | 7/21/06  |          | lb/plot     |          |          |
| Rating Data Type              | CONTROL                                       | CONTROL                  | CONTROL                          | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | 127 103     |          |          |
| Rating Unit                   | %   | %                        | %                                | %        | %        | %        | %        | %        |             |          |          |
| Days After First/Last Applic. | 14 14   | 22 4                     | 28 4                             | 44 20    | 52 28    | 59 35    | 73 49    | 73 49    |             |          |          |
| Trt-Eval Interval             | 14 DA-A                                       | 22 DA-A                  | 10 DA-B                          | 26 DA-B  | 34 DA-B  | 41 DA-B  | 55 DA-B  | 55 DA-B  |             |          |          |
| Plant-Eval Interval           | 29 DP-1                                       | 37 DP-1                  | 43 DP-1                          | 59 DP-1  | 67 DP-1  | 74 DP-1  | 88 DP-1  | 88 DP-1  |             |          |          |
| ARM Action Codes              |   |                          |                                  |          |          |          |          |          |             |          |          |
| Number of Decimals            |   |                          |                                  |          |          |          |          |          |             |          |          |
| Trt No.                       | Treatment Name                                | Rate                     | Unit                             | 10       | 11       | 12       | 13       | 14       | 15          | 16       | 17       |
| 1                             | Ricestar                                      | 22                       | oz/a                             | 0.0 d    | 0.0 b    | 0.0 c    | 0.0 d    | 0.0 c    | 0.0 d       | 0.0 e    | 0.00 i   |
| 2                             | V-10142<br>COC<br>Ricestar                    | 0.2<br>1<br>22           | lb ai/a<br>% v/v<br>oz/a         | 81.7 c   | 90.0 a   | 95.0 a   | 86.7 ab  | 86.7 ab  | 85.0 ab     | 76.7 bcd | 3.33 h   |
| 3                             | V-10142<br>COC<br>Ricestar                    | 0.2<br>1<br>22           | lb ai/a<br>% v/v<br>oz/a         | 0.0 d    | 0.0 b    | 81.7 b   | 90.0 a   | 81.7 ab  | 85.0 ab     | 80.0 abc | 3.40 h   |
| 4                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3<br>0.2<br>1.5<br>22  | oz/a<br>lb ai/a<br>% v/v<br>oz/a | 91.7 a   | 91.7 a   | 88.3 ab  | 91.7 a   | 83.3 ab  | 83.3 ab     | 66.7 d   | 6.60 def |
| 5                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3<br>0.15<br>1.5<br>22 | oz/a<br>lb ai/a<br>% v/v<br>oz/a | 93.3 a   | 88.3 a   | 93.3 a   | 83.3 ab  | 76.7 ab  | 78.3 ab     | 73.3 cd  | 7.63 cd  |
| 6                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3<br>0.1<br>1.5<br>22  | oz/a<br>lb ai/a<br>% v/v<br>oz/a | 91.7 a   | 88.3 a   | 90.0 ab  | 80.0 b   | 78.3 ab  | 71.7 b      | 81.7 abc | 7.37 cde |
| 7                             | Regiment<br>Dyne-A-Pak<br>Ricestar            | 0.3<br>1.5<br>22         | oz/a<br>% v/v<br>oz/a            | 86.7 b   | 86.7 a   | 86.7 ab  | 73.3 c   | 73.3 b   | 30.0 c      | 0.0 e    | 4.67 g   |
| 8                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3<br>0.2<br>1.5<br>22  | oz/a<br>lb ai/a<br>% v/v<br>oz/a | 0.0 d    | 0.0 b    | 90.0 ab  | 93.3 a   | 91.7 ab  | 93.3 a      | 91.7 a   | 6.40 ef  |
| 9                             | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3<br>0.15<br>1.5<br>22 | oz/a<br>lb ai/a<br>% v/v<br>oz/a | 0.0 d    | 0.0 b    | 91.7 a   | 93.3 a   | 93.3 a   | 95.0 a      | 93.0 a   | 6.00 f   |
| 10                            | Regiment<br>V-10142<br>Dyne-A-Pak<br>Ricestar | 0.3<br>0.1<br>1.5<br>22  | oz/a<br>lb ai/a<br>% v/v<br>oz/a | 0.0 d    | 0.0 b    | 86.7 ab  | 93.3 a   | 93.3 a   | 93.3 a      | 93.0 a   | 6.77 def |
| 11                            | Regiment<br>Dyne-A-Pak<br>Ricestar            | 0.3<br>1.5<br>22         | oz/a<br>% v/v<br>oz/a            | 0.0 d    | 0.0 b    | 91.7 a   | 90.0 a   | 86.7 ab  | 91.7 a      | 86.7 ab  | 6.90 def |
| 12                            | Regiment<br>Dyne-A-Pak                        | 0.5<br>1.5               | oz/a<br>% v/v                    | 0.0 d    | 0.0 b    | 0.0 c    | 93.3 a   | 93.3 a   | 95.0 a      | 93.0 a   | 7.50 cde |
| 13                            | Grasp<br>COC                                  | 2.3<br>1                 | oz/a<br>qt/a                     | 0.0 d    | 0.0 b    | 0.0 c    | 86.7 ab  | 80.0 ab  | 88.3 ab     | 76.7 bcd | 5.17 g   |
| 14                            | Regiment<br>V-10142<br>Dyne-A-Pak             | 0.5<br>0.2<br>1.5        | oz/a<br>lb ai/a<br>% v/v         | 0.0 d    | 0.0 b    | 0.0 c    | 93.3 a   | 91.7 ab  | 95.0 a      | 93.0 a   | 10.63 a  |
| 15                            | Grasp<br>V-10142<br>COC                       | 2.3<br>0.2<br>1          | oz/a<br>lb ai/a<br>qt/a          | 0.0 d    | 0.0 b    | 0.0 c    | 92.8 a   | 93.6 a   | 94.6 a      | 91.2 a   | 9.03 b   |

## LSU Northeast Research Station

|                               |          |          |          |          |          |          |          |             |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|-------------|
| Pest Type                     | SEBEX    | SEBEX    | SEBEX    | SEBEX    | SEBEX    | SEBEX    | SEBEX    | ORYSA       |
| Pest Code                     |          |          |          |          |          |          |          | BRIC        |
| Crop Code                     |          |          |          |          |          |          |          | Common rice |
| BBCH Scale                    |          |          |          |          |          |          |          | GRAIN C     |
| Crop Name                     |          |          |          |          |          |          |          | 9/13/06     |
| Part Rated                    | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | YIELD       |
| Rating Date                   | 5/23/06  | 5/31/06  | 6/6/06   | 6/22/06  | 6/30/06  | 7/7/06   | 7/21/06  | lb/plot     |
| Rating Data Type              | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | CONTROL  | 127 103     |
| Rating Unit                   | %        | %        | %        | %        | %        | %        | %        |             |
| Days After First/Last Applic. | 14 14    | 22 4     | 28 4     | 44 20    | 52 28    | 59 35    | 73 49    |             |
| Trt-Eval Interval             | 14 DA-A  | 22 DA-A  | 10 DA-B  | 26 DA-B  | 34 DA-B  | 41 DA-B  | 55 DA-B  |             |
| Plant-Eval Interval           | 29 DP-1  | 37 DP-1  | 43 DP-1  | 59 DP-1  | 67 DP-1  | 74 DP-1  | 88 DP-1  | 142 DP-1    |
| ARM Action Codes              |          |          |          |          |          |          |          |             |
| Number of Decimals            |          |          |          |          |          |          |          |             |
| Trt Treatment                 |          |          |          |          |          |          |          |             |
| No. Name                      | 10       | 11       | 12       | 13       | 14       | 15       | 16       | 17          |
| Rate                          |          |          |          |          |          |          |          |             |
| Unit                          |          |          |          |          |          |          |          |             |
| 16 Regiment                   | 0.0 d    | 0.0 b    | 0.0 c    | 93.3 a   | 91.7 ab  | 93.3 a   | 93.0 a   | 8.10 c      |
| Permit                        |          |          |          |          |          |          |          |             |
| Dyne-A-Pak                    |          |          |          |          |          |          |          |             |
| LSD (P=.05)                   | 3.70     | 5.09     | 5.94     | 5.89     | 11.09    | 11.67    | 8.78     | 0.795       |
| Standard Deviation            | 2.22     | 3.05     | 3.56     | 3.53     | 6.64     | 6.99     | 5.26     | 0.476       |
| CV                            | 7.98     | 10.97    | 6.36     | 4.23     | 8.21     | 8.78     | 7.07     | 7.65        |
| Bartlett's X2                 | 2.228    | 1.964    | 4.172    | 9.914    | 27.38    | 20.092   | 3.158    | 16.119      |
| P(Bartlett's X2)              | 0.694    | 0.742    | 0.841    | 0.701    | 0.017*   | 0.017*   | 0.994    | 0.306       |
| Replicate F                   | 4.128    | 5.207    | 1.977    | 15.497   | 6.875    | 0.706    | 2.592    | 2.390       |
| Replicate Prob(F)             | 0.0265   | 0.0117   | 0.1567   | 0.0001   | 0.0036   | 0.5018   | 0.0921   | 0.1094      |
| Treatment F                   | 1110.375 | 585.669  | 477.267  | 127.422  | 34.777   | 43.660   | 98.957   | 84.193      |
| Treatment Prob(F)             | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001   | 0.0001      |

Means followed by same letter do not significantly differ (P=.05, 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                     |                |              |             |
| Crop Code                     |                |              | ORYSA       |
| BBCH Scale                    |                |              | BRIC        |
| Crop Name                     |                |              | Common rice |
| Part Rated                    |                |              | GRAIN C     |
| Rating Date                   |                |              | 9/13/06     |
| Rating Data Type              |                |              | YIELD       |
| Rating Unit                   |                |              | BU          |
| Days After First/Last Applic. |                | 127          | 103         |
| Trt-Eval Interval             |                |              |             |
| Plant-Eval Interval           |                | 142          | DP-1        |
| ARM Action Codes              |                |              | TY1         |
| Number of Decimals            |                |              | 0           |
| Trt No.                       | Treatment Name | Rate         | Unit        |
|                               |                |              | 18          |
| 1                             | Ricestar       | 22 oz/a      | 0 i         |
| 2                             | V-10142        | 0.2 lb ai/a  | 50 h        |
|                               | COC            | 1 % v/v      |             |
|                               | Ricestar       | 22 oz/a      |             |
| 3                             | V-10142        | 0.2 lb ai/a  | 51 h        |
|                               | COC            | 1 % v/v      |             |
|                               | Ricestar       | 22 oz/a      |             |
| 4                             | Regiment       | 0.3 oz/a     | 99 def      |
|                               | V-10142        | 0.2 lb ai/a  |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 5                             | Regiment       | 0.3 oz/a     | 115 cd      |
|                               | V-10142        | 0.15 lb ai/a |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 6                             | Regiment       | 0.3 oz/a     | 111 cde     |
|                               | V-10142        | 0.1 lb ai/a  |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 7                             | Regiment       | 0.3 oz/a     | 70 g        |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 8                             | Regiment       | 0.3 oz/a     | 96 ef       |
|                               | V-10142        | 0.2 lb ai/a  |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 9                             | Regiment       | 0.3 oz/a     | 90 f        |
|                               | V-10142        | 0.15 lb ai/a |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 10                            | Regiment       | 0.3 oz/a     | 102 def     |
|                               | V-10142        | 0.1 lb ai/a  |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 11                            | Regiment       | 0.3 oz/a     | 104 def     |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
|                               | Ricestar       | 22 oz/a      |             |
| 12                            | Regiment       | 0.5 oz/a     | 113 cde     |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
| 13                            | Grasp          | 2.3 oz/a     | 78 g        |
|                               | COC            | 1 qt/a       |             |
| 14                            | Regiment       | 0.5 oz/a     | 160 a       |
|                               | V-10142        | 0.2 lb ai/a  |             |
|                               | Dyne-A-Pak     | 1.5 % v/v    |             |
| 15                            | Grasp          | 2.3 oz/a     | 136 b       |
|                               | V-10142        | 0.2 lb ai/a  |             |
|                               | COC            | 1 qt/a       |             |

## LSU Northeast Research Station

|                               |             |
|-------------------------------|-------------|
| Pest Type                     |             |
| Pest Code                     |             |
| Crop Code                     | ORYSA       |
| BBCH Scale                    | BRIC        |
| Crop Name                     | Common rice |
| Part Rated                    | GRAIN C     |
| Rating Date                   | 9/13/06     |
| Rating Data Type              | YIELD       |
| Rating Unit                   | BU          |
| Days After First/Last Applic. | 127 103     |
| Trt-Eval Interval             |             |
| Plant-Eval Interval           | 142 DP-1    |
| ARM Action Codes              | TY1         |
| Number of Decimals            | 0           |
| Trt Treatment Rate            |             |
| No. Name Rate Unit            | 18          |
| 16 Regiment 0.5 oz/a          | 122 c       |
| Permit 0.5 oz/a               |             |
| Dyne-A-Pak 1.5 % v/v          |             |
| LSD (P=.05)                   | 11.9        |
| Standard Deviation            | 7.2         |
| CV                            | 7.65        |
| Bartlett's X2                 | 16.119      |
| P(Bartlett's X2)              | 0.306       |
| Replicate F                   | 2.391       |
| Replicate Prob(F)             | 0.1094      |
| Treatment F                   | 84.196      |
| Treatment Prob(F)             | 0.0001      |

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

|   |
|---|
| <u>ARM Action Codes</u><br>TY1 = 15.03333*[C17] |
|---|