

LSU Northeast Research Station

Effect of tankmixing Newpath with Clincher or Grasp on red rice control.

Trial ID: MR05R104
Location:Study Dir.:
Investigator: Bill Williams**GENERAL TRIAL INFORMATION**

Investigator: Bill Williams

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Conclusions: Clincher or Grasp was applied with the first or second Newpath application to evaluate Newpath combinations with Clincher and Grasp for broad spectrum weed control. Both Clincher and Grasp improved barnyardgrass control regardless of application timing. Grasp also controlled hemp sesbania when applied with the first or second Newpath application. Red rice control appeared to be reduced by both Clincher and Grasp when mixed with Newpath. Unlike, 2004 reductions in red rice control occurred when Clincher or Grasp was mixed with the first Newpath application. Still, by the end of the season red rice control was at least 90% in all treatments. Grasp also reduced Amazon sprangletop control when mixed with either Newpath application.

CROP AND WEED DESCRIPTION

| Weed Code | Common Name | Scientific Name |
|-----------|-----------------------------|------------------------|
| 1. | ECHCG Barnyardgrass, common | Echinochloa crus-galli |
| 2. | ORYSA Rice, common | Oryza sativa |
| 3. | SEBEX Coffeebean | Sesbania exaltata |

Crop 1: ORYSA RICE
Planting Date: 5/23/05
Rate: 90 LB/A
Row Spacing: 8 IN

Variety: CL161
Planting Method: DRILLED
Depth: 0.25 IN
Spacing Within Row: 5 IN
Seed Bed: MEDIUM
Soil Moisture: Dry
Emergence Date: 5/31/05

SITE AND DESIGN

Plot Width, Unit: 6.67 FT
Site Type: RICE PADDY
Tillage Type: CONVENTIONAL-TILL
Plot Length, Unit: 15 FT
Reps: 3
Study Design: FACTORIAL

SOIL DESCRIPTION

| | | |
|------------|-----------|-----------------------------|
| % Sand: 14 | % OM: 1.3 | Texture: Silt Loam |
| % Silt: 70 | pH: 5.8 | Soil Name: Gigger silt loam |
| % Clay: 16 | CEC: 5.8 | Fert. Level: EXCELLENT |

MOISTURE CONDITIONS

| Date | Time | Amount | Unit | Type | Interval | Unit |
|------|---------|-------------|------|-----------------|----------|------|
| 1. | 5/27/05 | | | Flush | | |
| 2. | 6/3/05 | | | Flush | | |
| 3. | 6/13/05 | | | Flush | | |
| 4. | 6/20/05 | | | Flush | | |
| 5. | 6/28/05 | 300 lb Urea | fb | Permanent flood | | |

Overall Moisture Conditions: Dry

Closest Weather Station: Macon Ridge Research Station Distance: 0 Unit: MI

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APPLICATION DESCRIPTION

| | A | B |
|----------------------|----------|----------|
| Application Date: | 6/3/05 | 6/17/05 |
| Time of Day: | 10:00 | 3:30 |
| Application Method: | SPRAY | SPRAY |
| Application Timing: | 1-2 lf | 4-5 lf |
| Applic. Placement: | BROFOL | BROFOL |
| Air Temp., Unit: | 82 F | 80 F |
| % Relative Humidity: | 70 | 70 |
| Wind Velocity, Unit: | 5 S | 3 S |
| Soil Temp., Unit: | 84 F | 78 F |
| Soil Moisture: | Wet | WET |
| % Cloud Cover: | 80 | 80 |

CROP STAGE AT EACH APPLICATION

| | A | B |
|---------------------|--------------|--------------|
| Crop 1 Code, Stage: | ORYSA 1-2 lf | ORYSA 4-5 lf |
| Stage Scale: | 1-2" | 4-5" |

WEED STAGE AT EACH APPLICATION

| | A | B |
|---------------------|--------------|---------------|
| Weed 1 Code, Stage: | ECHCG 1 lf | ECHCG 4-5 lf |
| Stage Scale: | 1" | 4-6" |
| Weed 2 Code, Stage: | ORYSA 2-3 lf | ORYSA 5 lf-1T |
| Stage Scale: | 1" | 5-6" |
| Weed 3 Code, Stage: | SEBEX 1 lf | SEBEX 6-8 lf |
| Stage Scale: | 1" | 4-5" |

APPLICATION EQUIPMENT

| | A | B |
|-----------------------|-----------|-----------|
| Appl. Equipment: | Backpack | Backpack |
| Operating Pressure: | 31 | 31 |
| Nozzle Type: | Greenleaf | Greenleaf |
| Nozzle Size: | 11002 | 11002 |
| Nozzle Spacing, Unit: | 20 " | 20 " |
| Nozzles/Row: | 4 | 4 |
| Carrier: | Water | Water |
| Spray Volume, Unit: | 15 GPA | 15 GPA |
| Propellant: | CO2 | CO2 |

LSU Northeast Research Station

Effect of tankmixing Newpath with Clincher or Grasp on red rice control.

Trial ID: MR05R104
 Location:

Study Dir.:
 Investigator: Bill Williams

| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | ECHCG | ECHCG | ECHCG | ORYSA |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 6/25/05 | 7/5/05 | 7/22/05 | 6/25/05 |
| Trt-Eval Interval | 8 DA-B | 18 DA-B | 35 DA-B | 8 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Grow Unit | Stg | 1 | 2 | 3 | 4 | |
|---------|---------------------------|------|-----------|--------|----|------|------|------|---|
| 1 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 92 | a 95 | a 80 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2 | OZ/A | | | | | | |
| 2 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 95 | a 95 | a 80 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.3 | OZ/A | | | | | | |
| 3 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 90 | a 93 | a 80 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.6 | OZ/A | | | | | | |
| 4 | Newpath | 4 | OZ/A | 1-2 lf | 88 | d 93 | a 93 | a 80 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 10 | OZ/A | | | | | | |
| 5 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 93 | a 95 | a 80 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 13.5 | OZ/A | | | | | | |

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|--------------------|----------|----------|----------|----------|
| Weed Code | ECHCG | ECHCG | ECHCG | ORYSA |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 6/25/05 | 7/5/05 | 7/22/05 | 6/25/05 |
| Trt-Eval Interval | 8 DA-B | 18 DA-B | 35 DA-B | 8 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 1 | 2 | 3 | 4 | |
|---------|---------------------------|------|------|----------|----|-------|------|------|---|
| 6 | Newpath | 4 | OZ/A | 1-2 lf | 93 | ab 90 | a 95 | a 73 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 15 | OZ/A | | | | | | |
| 7 | Newpath | 4 | OZ/A | 1-2 lf | 93 | ab 93 | a 95 | a 90 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2 | OZ/A | | | | | | |
| 8 | Newpath | 4 | OZ/A | 1-2 lf | 92 | bc 93 | a 95 | a 90 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.3 | OZ/A | | | | | | |
| 9 | Newpath | 4 | OZ/A | 1-2 lf | 90 | cd 93 | a 95 | a 90 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.6 | OZ/A | | | | | | |
| 10 | Newpath | 4 | OZ/A | 1-2 lf | 90 | cd 90 | a 95 | a 90 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 10 | OZ/A | | | | | | |
| 11 | Newpath | 4 | OZ/A | 1-2 lf | 90 | cd 90 | a 95 | a 90 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 13.5 | OZ/A | | | | | | |

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|--------------------|----------|----------|----------|----------|
| Weed Code | ECHCG | ECHCG | ECHCG | ORYSA |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 6/25/05 | 7/5/05 | 7/22/05 | 6/25/05 |
| Trt-Eval Interval | 8 DA-B | 18 DA-B | 35 DA-B | 8 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt | Treatment | Rate | Unit | Grow | 1 | 2 | 3 | 4 | |
|------------------|---------------------------|------|------|--------|------|-------|------|------|---|
| No. | Name | | | Stg | | | | | |
| 12 | Newpath | 4 | OZ/A | 1-2 lf | 90 | cd 93 | a 95 | a 83 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 15 | OZ/A | | | | | | |
| 13 | Newpath | 4 | OZ/A | 1-2 lf | 90 | cd 88 | a 95 | a 90 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| LSD (P=.05) | | | | | 2.4 | 8.4 | 1.8 | 3.7 | |
| Bartlett's X2 | | | | | 0.0 | 9.833 | 0.0 | 0.0 | |
| P(Bartlett's X2) | | | | | 1.00 | 0.546 | 1.00 | 1.00 | |

Means followed by same letter do not significantly differ (P=.05, LSD)

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

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|--------------------|----------|----------|----------|----------|
| Weed Code | ORYSA | ORYSA | LEFPA | SEBEX |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 7/5/05 | 7/22/05 | 7/22/05 | 6/25/05 |
| Trt-Eval Interval | 18 DA-B | 35 DA-B | 35 DA-B | 8 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Grow Unit | Stg | 5 | 6 | 7 | 8 | |
|---------|---------------------------|------|-----------|--------|----|------|------|------|---|
| 1 | Newpath | 4 | OZ/A | 1-2 lf | 93 | a 90 | b 80 | c 95 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2 | OZ/A | | | | | | |
| 2 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 90 | b 80 | c 95 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.3 | OZ/A | | | | | | |
| 3 | Newpath | 4 | OZ/A | 1-2 lf | 87 | a 93 | a 90 | b 95 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.6 | OZ/A | | | | | | |
| 4 | Newpath | 4 | OZ/A | 1-2 lf | 93 | a 90 | b 80 | c 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 10 | OZ/A | | | | | | |
| 5 | Newpath | 4 | OZ/A | 1-2 lf | 93 | a 90 | b 95 | a 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 13.5 | OZ/A | | | | | | |

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|--------------------|----------|----------|----------|----------|
| Weed Code | ORYSA | ORYSA | LEFPA | SEBEX |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 7/5/05 | 7/22/05 | 7/22/05 | 6/25/05 |
| Trt-Eval Interval | 18 DA-B | 35 DA-B | 35 DA-B | 8 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 5 | 6 | 7 | 8 | |
|---------|---------------------------|------|------|----------|----|------|------|------|---|
| 6 | Newpath | 4 | OZ/A | 1-2 lf | 88 | a 90 | b 95 | a 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 15 | OZ/A | | | | | | |
| 7 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 90 | b 80 | c 90 | b |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2 | OZ/A | | | | | | |
| 8 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 90 | b 80 | c 95 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.3 | OZ/A | | | | | | |
| 9 | Newpath | 4 | OZ/A | 1-2 lf | 95 | a 90 | b 80 | c 95 | a |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Grasp | 2.6 | OZ/A | | | | | | |
| 10 | Newpath | 4 | OZ/A | 1-2 lf | 93 | a 90 | b 95 | a 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 10 | OZ/A | | | | | | |
| 11 | Newpath | 4 | OZ/A | 1-2 lf | 90 | a 93 | a 95 | a 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 13.5 | OZ/A | | | | | | |

LSU Northeast Research Station

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|--------------------|----------|----------|----------|----------|
| Weed Code | ORYSA | ORYSA | LEFPA | SEBEX |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 7/5/05 | 7/22/05 | 7/22/05 | 6/25/05 |
| Trt-Eval Interval | 18 DA-B | 35 DA-B | 35 DA-B | 8 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt | Treatment | Rate | Unit | Grow | 5 | 6 | 7 | 8 | |
|------------------|---------------------------|------|------|--------|-------|------|------|-----|---|
| No. | Name | | | Stg | | | | | |
| 12 | Newpath | 4 | OZ/A | 1-2 lf | 93 | a 95 | a 95 | a 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| | Clincher | 15 | OZ/A | | | | | | |
| 13 | Newpath | 4 | OZ/A | 1-2 lf | 90 | a 95 | a 95 | a 0 | c |
| | COC | 1 | PT/A | 1-2 lf | | | | | |
| | Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| | COC | 1 | PT/A | 4-5 lf | | | | | |
| LSD (P=.05) | | | | | 7.1 | 1.8 | 0.0 | 0.0 | |
| Bartlett's X2 | | | | | 7.08 | 0.0 | 0.0 | 0.0 | |
| P(Bartlett's X2) | | | | | 0.528 | 1.00 | . | . | |

Means followed by same letter do not significantly differ (P=.05, LSD)

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

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| Weed Code | | SEBEX | SEBEX | ORYSA | Moisture | | | | |
|--------------------|---------------------------|----------|-------------|---------|----------|-----|--------|----|--|
| Crop Code | | PLATOT P | PLATOT P | GRAIN C | GRAIN C | | | | |
| Part Rated | | CONTROL | CONTROL | lb/plt | YIELD | | | | |
| Rating Data Type | | % | % | 12% Mst | BU | | | | |
| Rating Unit | | 7/5/05 | 7/22/05 | 10/4/05 | 10/4/05 | | | | |
| Trt-Eval Interval | | 18 DA-B | 35 DA-B | | | | | | |
| ARM Action Codes | | | | | TY1 | | | | |
| # Subsamples, Dec. | | | | | 0 | | | | |
| Trt No. | Treatment Name | Rate | Grow Unit | 9 | 10 | 11 | 12 | | |
| 1 | Newpath | 4 | OZ/A 1-2 lf | 90 | a 95 | a 7 | c 114 | c | |
| | COC | 1 | PT/A 1-2 lf | | | | | | |
| | Clincher/Grasp w/1st Appl | | 1-2 lf | | | | | | |
| | Newpath | 4 | OZ/A 4-5 lf | | | | | | |
| | COC | 1 | PT/A 4-5 lf | | | | | | |
| | Grasp | 2 | OZ/A | | | | | | |
| 2 | Newpath | 4 | OZ/A 1-2 lf | 93 | a 95 | a 8 | ab 133 | ab | |
| | COC | 1 | PT/A 1-2 lf | | | | | | |
| | Clincher/Grasp w/1st Appl | | 1-2 lf | | | | | | |
| | Newpath | 4 | OZ/A 4-5 lf | | | | | | |
| | COC | 1 | PT/A 4-5 lf | | | | | | |
| | Grasp | 2.3 | OZ/A | | | | | | |
| 3 | Newpath | 4 | OZ/A 1-2 lf | 92 | a 90 | b 8 | b 129 | b | |
| | COC | 1 | PT/A 1-2 lf | | | | | | |
| | Clincher/Grasp w/1st Appl | | 1-2 lf | | | | | | |
| | Newpath | 4 | OZ/A 4-5 lf | | | | | | |
| | COC | 1 | PT/A 4-5 lf | | | | | | |
| | Grasp | 2.6 | OZ/A | | | | | | |
| 4 | Newpath | 4 | OZ/A 1-2 lf | 0 | b 0 | c 0 | d 0 | d | |
| | COC | 1 | PT/A 1-2 lf | | | | | | |
| | Clincher/Grasp w/1st Appl | | 1-2 lf | | | | | | |
| | Newpath | 4 | OZ/A 4-5 lf | | | | | | |
| | COC | 1 | PT/A 4-5 lf | | | | | | |
| | Clincher | 10 | OZ/A | | | | | | |
| 5 | Newpath | 4 | OZ/A 1-2 lf | 0 | b 0 | c 0 | d 0 | d | |
| | COC | 1 | PT/A 1-2 lf | | | | | | |
| | Clincher/Grasp w/1st Appl | | 1-2 lf | | | | | | |
| | Newpath | 4 | OZ/A 4-5 lf | | | | | | |
| | COC | 1 | PT/A 4-5 lf | | | | | | |
| | Clincher | 13.5 | OZ/A | | | | | | |

LSU Northeast Research Station

| Weed Code | SEBEX | SEBEX | ORYSA | Moisture | | | | |
|---------------------------|----------|----------|---------|----------|------|-----|--------|----|
| Crop Code | PLATOT P | PLATOT P | GRAIN C | GRAIN C | | | | |
| Part Rated | CONTROL | CONTROL | lb/plt | YIELD | | | | |
| Rating Data Type | % | % | 12% Mst | BU | | | | |
| Rating Unit | 7/5/05 | 7/22/05 | 10/4/05 | 10/4/05 | | | | |
| Rating Date | 18 DA-B | 35 DA-B | | | | | | |
| Trt-Eval Interval | | | | TY1 | | | | |
| ARM Action Codes | | | | 0 | | | | |
| # Subsamples, Dec. | | | | | | | | |
| Trt Treatment | Rate | Unit | Stg | 9 | 10 | 11 | 12 | |
| No. Name | | | | | | | | |
| 6 Newpath | 4 | OZ/A | 1-2 lf | 0 | b 0 | c 0 | d 0 | d |
| COC | 1 | PT/A | 1-2 lf | | | | | |
| Clincher/Grasp w/1st Appl | | | 1-2 lf | | | | | |
| Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| COC | 1 | PT/A | 4-5 lf | | | | | |
| Clincher | 15 | OZ/A | | | | | | |
| 7 Newpath | 4 | OZ/A | 1-2 lf | 95 | a 90 | b 7 | c 116 | c |
| COC | 1 | PT/A | 1-2 lf | | | | | |
| Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| COC | 1 | PT/A | 4-5 lf | | | | | |
| Grasp | 2 | OZ/A | | | | | | |
| 8 Newpath | 4 | OZ/A | 1-2 lf | 95 | a 95 | a 8 | a 137 | a |
| COC | 1 | PT/A | 1-2 lf | | | | | |
| Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| COC | 1 | PT/A | 4-5 lf | | | | | |
| Grasp | 2.3 | OZ/A | | | | | | |
| 9 Newpath | 4 | OZ/A | 1-2 lf | 95 | a 95 | a 8 | ab 132 | ab |
| COC | 1 | PT/A | 1-2 lf | | | | | |
| Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| COC | 1 | PT/A | 4-5 lf | | | | | |
| Grasp | 2.6 | OZ/A | | | | | | |
| 10 Newpath | 4 | OZ/A | 1-2 lf | 0 | b 0 | c 0 | d 0 | d |
| COC | 1 | PT/A | 1-2 lf | | | | | |
| Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| COC | 1 | PT/A | 4-5 lf | | | | | |
| Clincher | 10 | OZ/A | | | | | | |
| 11 Newpath | 4 | OZ/A | 1-2 lf | 0 | b 0 | c 0 | d 0 | d |
| COC | 1 | PT/A | 1-2 lf | | | | | |
| Clincher/Grasp w/2nd Appl | | | 4-5 lf | | | | | |
| Newpath | 4 | OZ/A | 4-5 lf | | | | | |
| COC | 1 | PT/A | 4-5 lf | | | | | |
| Clincher | 13.5 | OZ/A | | | | | | |

LSU Northeast Research Station

| Weed Code | | SEBEX | SEBEX | ORYSA | Moisture |
|---------------------------|----|----------|----------|---------|----------|
| Crop Code | | PLATOT P | PLATOT P | GRAIN C | GRAIN C |
| Part Rated | | CONTROL | CONTROL | lb/plt | YIELD |
| Rating Data Type | | % | % | 12% Mst | BU |
| Rating Unit | | 7/5/05 | 7/22/05 | 10/4/05 | 10/4/05 |
| Rating Date | | 18 DA-B | 35 DA-B | | |
| Trt-Eval Interval | | | | | TY1 |
| ARM Action Codes | | | | | 0 |
| # Subsamples, Dec. | | | | | |
| Trt Treatment | | Rate | Grow | | |
| No. Name | | Unit | Stg | 9 | 10 |
| 12 Newpath | 4 | OZ/A | 1-2 lf | 0 | b 0 |
| COC | 1 | PT/A | 1-2 lf | | c 0 |
| Clincher/Grasp w/2nd Appl | | | 4-5 lf | | d 0 |
| Newpath | 4 | OZ/A | 4-5 lf | | d |
| COC | 1 | PT/A | 4-5 lf | | |
| Clincher | 15 | OZ/A | | | |
| 13 Newpath | 4 | OZ/A | 1-2 lf | 0 | b 0 |
| COC | 1 | PT/A | 1-2 lf | | c 0 |
| Newpath | 4 | OZ/A | 4-5 lf | | d 0 |
| COC | 1 | PT/A | 4-5 lf | | d |
| LSD (P=.05) | | 5.1 | 0.0 | 0.3 | 4.5 |
| Bartlett's X2 | | 2.007 | 0.0 | 17.758 | 2.538 |
| P(Bartlett's X2) | | 0.367 | . | 0.003* | 0.638 |

Means followed by same letter do not significantly differ (P=.05, LSD)

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

Column 12: TY1 = 16.13333*[11]