

LSU Northeast Research Station

Texasweed control with Grasp

Trial ID: SJ05R016
Location:Study Dir.:
Investigator: Bill Williams**GENERAL TRIAL INFORMATION**

Investigator: Bill Williams

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

| Weed Code | Common Name | Scientific Name |
|-----------|-----------------------------|------------------------|
| 1. | ECHCG Barnyardgrass, common | Echinochloa crus-galli |
| 2. | CNPPA Texasweed | Caperonia palustris |
| 3. | SEBEX Coffeebean | Sesbania exaltata |
| 4. | COMDI Dayflower, spreading | Commelina diffusa |

Crop 1: ORYSA RICE

Variety: Cocodrie

Planting Date: 5/5/05

Planting Method: DRILLED

Rate: 90 LB/A

Depth: 0.25 IN

Row Spacing: 8 IN

Spacing Within Row: 5 FT

Seed Bed: MEDIUM

Soil Moisture: DRY

Emergence Date: 5/15/05

SITE AND DESIGN

Plot Width, Unit: 6.67 FT

Plot Length, Unit: 15 FT

Reps: 3

Site Type: RICE PADDY

Tillage Type: CONVENTIONAL-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

| | | |
|------------|------------|------------------------|
| % Sand: 24 | % OM: 2.11 | Texture: Clay |
| % Silt: 34 | pH: 7.94 | Soil Name: Sharkey |
| % Clay: 42 | CEC: 21.9 | Fert. Level: EXCELLENT |

MOISTURE CONDITIONS

| Date | Time | Amount | Unit | Type | Interval | Unit | |
|------|---------|--------|------|------|----------|--------------------------------|-------|
| 1. | 5/7/05 | 1:00 | PM | 3 | in | Flush | 0 n/a |
| 2. | 5/10/05 | 6:30 | PM | 0.25 | in | Rainfall | 0 n/a |
| 3. | 5/13/05 | 1:00 | PM | 3 | in | Flush | 0 n/a |
| 4. | 5/15/05 | 5:30 | PM | 0.46 | in | Rainfall | 0 n/a |
| 5. | 5/25/05 | 8:00 | PM | 0.78 | in | Rainfall | 0 n/a |
| 6. | 5/29/05 | 1:00 | AM | 0.63 | in | Rainfall | 0 n/a |
| 7. | 5/30/05 | 11:00 | A | 1.51 | in | Rainfall | 0 n/a |
| 8. | 5/31/05 | 8:00 | PM | 0.26 | in | Rainfall | 0 n/a |
| 9. | 6/2/05 | 4:00 | PM | 0.04 | in | Rainfall | 0 n/a |
| 10. | 6/6/05 | 7:00 | PM | 0.39 | in | Rainfall | 0 n/a |
| 11. | 6/9/05 | 1:00 | PM | 3 | in | 300 lb Urea fb Permanent flood | 0 n/a |
| 12. | 6/18/05 | 11:00 | A | 0.42 | in | Rainfall | 0 n/a |
| 13. | 7/3/05 | 6:00 | PM | 0.06 | in | Rainfall | 0 n/a |
| 14. | 7/6/05 | 1:30 | PM | 1.6 | in | Rainfall | 0 n/a |
| 15. | 7/8/05 | 1:45 | PM | 0.93 | in | Rainfall | 0 n/a |
| 16. | 7/10/05 | 1:00 | PM | 0.04 | in | Rainfall | 0 n/a |
| 17. | 7/14/05 | 2:00 | PM | 0.44 | in | Rainfall | 0 n/a |
| 18. | 7/16/05 | 10:00 | P | 0.04 | in | Rainfall | 0 n/a |
| 19. | 7/17/05 | 1:00 | PM | 0.25 | in | Rainfall | 0 n/a |
| 20. | 7/18/05 | 7:00 | PM | 0.05 | in | Rainfall | 0 n/a |
| 21. | 7/22/05 | 2:30 | PM | 0.15 | in | Rainfall | 0 n/a |
| 22. | 8/4/05 | 3:30 | PM | 0.27 | in | Rainfall | 0 n/a |
| 23. | 8/5/05 | 8:00 | PM | 0.45 | in | Rainfall | 0 n/a |
| 24. | 8/6/05 | 6:00 | PM | 0.25 | in | Rainfall | 0 n/a |

| | | | | | | | |
|------------|---------|---------|------|----|----------|---|-----|
| 25. | 8/16/05 | 6:00 PM | 1.31 | in | Rainfall | 0 | n/a |
| 26. | 8/22/05 | 9:00 PM | 0.05 | in | Rainfall | 0 | n/a |

LSU Northeast Research Station

Overall Moisture Conditions: NORMAL

Closest Weather Station: Northeast Research Station

Distance: 0.25 Unit: MI

APPLICATION DESCRIPTION

| | A | B | C |
|----------------------|--------|---------|--------|
| Application Date: | 5/6/05 | 5/27/05 | 6/6/05 |
| Time of Day: | 4:00 | 11:00 | 2:00 |
| Application Method: | SPRAY | SPRAY | SPRAY |
| Application Timing: | PRE | 1-3" | 3-6" |
| Applic. Placement: | BANSOI | BROFOL | BROFOL |
| Air Temp., Unit: | 69 F | 85 F | 87 F |
| % Relative Humidity: | 39 | 33 | 74 |
| Wind Velocity, Unit: | 3 NW | 3 E | 5 W |
| Dew Presence (Y/N): | N | N | N |
| Soil Temp., Unit: | 71 F | 94 F | 86 F |
| Soil Moisture: | DRY | MOIST | DAMP |
| % Cloud Cover: | 0 | 0 | 90 |

CROP STAGE AT EACH APPLICATION

| | A | B | C |
|---------------------|-----------|--------------|-------------|
| Crop 1 Code, Stage: | ORYSA n/a | ORYSA 3-4 lf | ORYSA 2-3 T |
| Stage Scale: | n/a | 4 in | 8 in |

WEED STAGE AT EACH APPLICATION

| | A | B | C |
|---------------------|-----------|--------------|--------------|
| Weed 1 Code, Stage: | ECHCG n/a | ECHCG n/a | ECHCG 2-3 T |
| Stage Scale: | n/a | n/a | 6 in |
| Weed 2 Code, Stage: | CNPPA n/a | CNPPA C-1 lf | CNPPA 5 lf |
| Stage Scale: | n/a | 1-2 in | 7 in |
| Weed 3 Code, Stage: | SEBEX n/a | SEBEX 2-3 lf | SEBEX 8-9 lf |
| Stage Scale: | n/a | 1-3 in | 9 in |
| Weed 4 Code, Stage: | COMDI n/a | COMDI 1 lf | COMDI 3 lf |
| Stage Scale: | n/a | 1 in | 3 in |

APPLICATION EQUIPMENT

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

LSU Northeast Research Station

| Weed Code | ECHCG | ECHCG | ECHCG | ECHCG | ECHCG | | | |
|-------------------|-----------|----------|----------|----------|----------|-------|-------|----|
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | | | |
| Rating Data Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | | |
| Rating Unit | % | % | % | % | % | | | |
| Rating Date | 5/26/05 | 6/4/05 | 6/9/05 | 6/24/05 | 7/12/05 | | | |
| Trt-Eval Interval | 20 DA-A | 8 DA-B | 13 DA-B | 18 DA-C | 36 DA-C | | | |
| Trt Treatment | Rate | Grow | | | | | | |
| No. Name | Rate Unit | Stg | 1 | 2 | 3 | 4 | 5 | |
| 12 Command | 1.33 PT/A | PRE | 87 | b 88 | ab 92 | a 93 | a 90 | a |
| Grasp | 2.0 OZ/A | 1-3" | | | | | | |
| Permit | 0.35 OZ/A | 1-3" | | | | | | |
| COC | 2.5 % V/V | 1-3" | | | | | | |
| 13 Command | 1.33 PT/A | PRE | 87 | b 63 | c 60 | b 85 | bc 67 | cd |
| Grasp | 2.0 OZ/A | 3-6" | | | | | | |
| Permit | 0.35 OZ/A | 3-6" | | | | | | |
| COC | 2.5 % V/V | 3-6" | | | | | | |
| 14 Grasp | 2.0 OZ/A | 1-3" | 0 | c 83 | b 87 | a 85 | bc 70 | cd |
| Permit | 0.35 OZ/A | 1-3" | | | | | | |
| COC | 2.5 % V/V | 1-3" | | | | | | |
| Clincher | 13.5 OZ/A | 3-6" | | | | | | |
| COC | 2.5 % V/V | 3-6" | | | | | | |
| LSD (P=.05) | | | 4.8 | 6.7 | 5.9 | 7.4 | 7.7 | |
| Bartlett's X2 | | | 2.236 | 4.265 | 0.589 | 4.617 | 2.906 | |
| P(Bartlett's X2) | | | 0.999 | 0.962 | 0.997 | 0.97 | 0.984 | |

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.

LSU Northeast Research Station

| Weed Code | | | | ECHCG | SEBEX | SEBEX | SEBEX | SEBEX | SEBEX | |
|-------------------|----------------|------|-----------|----------|----------|----------|----------|----------|----------|----|
| Part Rated | | | | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | |
| Rating Data Type | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | |
| Rating Unit | | | | % | % | % | % | % | % | |
| Rating Date | | | | 8/10/05 | 5/26/05 | 6/4/05 | 6/9/05 | 6/24/05 | | |
| Trt-Eval Interval | | | | 65 DA-C | 20 DA-A | 8 DA-B | 13 DA-B | 18 DA-C | | |
| Trt No. | Treatment Name | Rate | Grow Unit | Stg | 6 | 7 | 8 | 9 | 10 | |
| 1 | Command | 1.33 | PT/A | PRE | 0 | h 0 | c 0 | e 0 | d 0 | e |
| 2 | Command | 1.33 | PT/A | PRE | 70 | d 63 | b 57 | d 0 | d 0 | e |
| | Grasp | 2.0 | OZ/A | PRE | | | | | | |
| 3 | Command | 1.33 | PT/A | PRE | 83 | bc 87 | a 82 | c 50 | c 50 | d |
| | Grasp | 2.3 | OZ/A | PRE | | | | | | |
| 4 | Command | 1.33 | PT/A | PRE | 82 | c 0 | c 85 | c 85 | b 88 | ab |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 5 | Command | 1.33 | PT/A | PRE | 87 | abc 0 | c 93 | ab 92 | a 88 | ab |
| | Grasp | 2.3 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 6 | Command | 1.33 | PT/A | PRE | 60 | f 0 | c 0 | e 0 | d 83 | bc |
| | Grasp | 2.0 | OZ/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 7 | Command | 1.33 | PT/A | PRE | 50 | g 0 | c 0 | e 0 | d 92 | a |
| | Grasp | 2.3 | OZ/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 8 | Command | 1.33 | PT/A | PRE | 83 | bc 0 | c 95 | a 90 | a 90 | ab |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | Aim | 1.5 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 9 | Command | 1.33 | PT/A | PRE | 70 | d 0 | c 0 | e 0 | d 77 | c |
| | Grasp | 2.0 | OZ/A | 3-6" | | | | | | |
| | Aim | 1.5 | OZ/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 10 | Command | 1.33 | PT/A | PRE | 88 | ab 0 | c 90 | b 82 | b 90 | ab |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | Granstand | 0.5 | PT/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 11 | Command | 1.33 | PT/A | PRE | 63 | ef 0 | c 0 | e 0 | d 93 | a |
| | Grasp | 2.0 | OZ/A | 3-6" | | | | | | |
| | Granstand | 0.5 | PT/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 12 | Command | 1.33 | PT/A | PRE | 90 | a 0 | c 93 | ab 90 | a 87 | ab |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | Permit | 0.35 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |

LSU Northeast Research Station

| Weed Code | ECHCG | SEBEX | SEBEX | SEBEX | SEBEX |
|-------------------|-----------|----------|----------|----------|----------|
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Rating Date | 8/10/05 | 5/26/05 | 6/4/05 | 6/9/05 | 6/24/05 |
| Trt-Eval Interval | 65 DA-C | 20 DA-A | 8 DA-B | 13 DA-B | 18 DA-C |
| Trt Treatment | Rate | Grow | | | |
| No. Name | Rate Unit | Stg | 6 | 7 | 8 |
| 13 Command | 1.33 PT/A | PRE | 63 | ef 0 | c 0 |
| Grasp | 2.0 OZ/A | 3-6" | | | e 0 |
| Permit | 0.35 OZ/A | 3-6" | | | d 93 |
| COC | 2.5 % V/V | 3-6" | | | a |
| 14 Grasp | 2.0 OZ/A | 1-3" | 67 | de 0 | c 95 |
| Permit | 0.35 OZ/A | 1-3" | | | a 92 |
| COC | 2.5 % V/V | 1-3" | | | a 92 |
| Clincher | 13.5 OZ/A | 3-6" | | | a |
| COC | 2.5 % V/V | 3-6" | | | |
| LSD (P=.05) | | | 6.1 | 3.6 | 4.1 |
| Bartlett's X2 | | | 2.774 | 0.0 | 1.856 |
| P(Bartlett's X2) | | | 0.905 | 1.00 | 0.762 |
| | | | | | 4.4 |
| | | | | | 1.502 |
| | | | | | 6.015 |
| | | | | | 0.826 |
| | | | | | 0.738 |

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.

LSU Northeast Research Station

| Weed Code | | | | SEBEX | SEBEX | CNPPA | CNPPA | CNPPA | | |
|-------------------|----------------|------|-----------|----------|----------|----------|----------|----------|------|---|
| Part Rated | | | | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P | | |
| Rating Data Type | | | | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO | | |
| Rating Unit | | | | % | % | % | % | % | | |
| Rating Date | | | | 7/12/05 | 8/10/05 | 5/26/05 | 6/4/05 | 6/9/05 | | |
| Trt-Eval Interval | | | | 36 DA-C | 65 DA-C | 20 DA-A | 8 DA-B | 13 DA-B | | |
| Trt No. | Treatment Name | Rate | Grow Unit | Stg | 11 | 12 | 13 | 14 | 15 | |
| 1 | Command | 1.33 | PT/A | PRE | 0 | d 0 | d 0 | c 0 | d 0 | d |
| 2 | Command | 1.33 | PT/A | PRE | 0 | d 0 | d 83 | b 53 | c 25 | c |
| | Grasp | 2.0 | OZ/A | PRE | | | | | | |
| 3 | Command | 1.33 | PT/A | PRE | 30 | c 0 | d 90 | a 90 | a 78 | b |
| | Grasp | 2.3 | OZ/A | PRE | | | | | | |
| 4 | Command | 1.33 | PT/A | PRE | 88 | a 90 | a 0 | c 72 | b 87 | a |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 5 | Command | 1.33 | PT/A | PRE | 88 | a 90 | a 0 | c 92 | a 90 | a |
| | Grasp | 2.3 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 6 | Command | 1.33 | PT/A | PRE | 83 | ab 80 | c 0 | c 0 | d 0 | d |
| | Grasp | 2.0 | OZ/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 7 | Command | 1.33 | PT/A | PRE | 88 | a 80 | c 0 | c 0 | d 0 | d |
| | Grasp | 2.3 | OZ/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 8 | Command | 1.33 | PT/A | PRE | 92 | a 90 | a 0 | c 95 | a 92 | a |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | Aim | 1.5 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 9 | Command | 1.33 | PT/A | PRE | 77 | b 80 | c 0 | c 0 | d 0 | d |
| | Grasp | 2.0 | OZ/A | 3-6" | | | | | | |
| | Aim | 1.5 | OZ/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 10 | Command | 1.33 | PT/A | PRE | 83 | ab 80 | c 0 | c 92 | a 92 | a |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | Granstand | 0.5 | PT/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |
| 11 | Command | 1.33 | PT/A | PRE | 88 | a 80 | c 0 | c 0 | d 0 | d |
| | Grasp | 2.0 | OZ/A | 3-6" | | | | | | |
| | Granstand | 0.5 | PT/A | 3-6" | | | | | | |
| | COC | 2.5 | % V/V | 3-6" | | | | | | |
| 12 | Command | 1.33 | PT/A | PRE | 85 | ab 90 | a 0 | c 93 | a 88 | a |
| | Grasp | 2.0 | OZ/A | 1-3" | | | | | | |
| | Permit | 0.35 | OZ/A | 1-3" | | | | | | |
| | COC | 2.5 | % V/V | 1-3" | | | | | | |

LSU Northeast Research Station

| Weed Code | SEBEX | SEBEX | CNPPA | CNPPA | CNPPA |
|-------------------|-----------|----------|----------|----------|----------|
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTRO | CONTRO | CONTRO | CONTRO | CONTRO |
| Rating Unit | % | % | % | % | % |
| Rating Date | 7/12/05 | 8/10/05 | 5/26/05 | 6/4/05 | 6/9/05 |
| Trt-Eval Interval | 36 DA-C | 65 DA-C | 20 DA-A | 8 DA-B | 13 DA-B |
| Trt Treatment | Rate | Grow | | | |
| No. Name | Rate Unit | Stg | 11 | 12 | 13 |
| 13 Command | 1.33 PT/A | PRE | 93 | a 90 | a 0 |
| Grasp | 2.0 OZ/A | 3-6" | | | c 0 |
| Permit | 0.35 OZ/A | 3-6" | | | d 0 |
| COC | 2.5 % V/V | 3-6" | | | d |
| 14 Grasp | 2.0 OZ/A | 1-3" | 87 | ab 85 | b 0 |
| Permit | 0.35 OZ/A | 1-3" | | | c 92 |
| COC | 2.5 % V/V | 1-3" | | | a 92 |
| Clincher | 13.5 OZ/A | 3-6" | | | a |
| COC | 2.5 % V/V | 3-6" | | | |
| LSD (P=.05) | | | 11.1 | 2.2 | 2.6 |
| Bartlett's X2 | | | 11.421 | 0.0 | 0.0 |
| P(Bartlett's X2) | | | 0.326 | . | . |
| | | | | | 5.8 |
| | | | | | 5.03 |
| | | | | | 0.54 |
| | | | | | 6.2 |
| | | | | | 3.425 |
| | | | | | 0.843 |

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.

LSU Northeast Research Station

| | | |
|-------------------|----------|----------|
| Weed Code | CNPPA | CNPPA |
| Part Rated | PLATOT P | PLATOT P |
| Rating Data Type | CONTRO | CONTRO |
| Rating Unit | % | % |
| Rating Date | 6/24/05 | 8/10/05 |
| Trt-Eval Interval | 18 DA-C | 65 DA-C |

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 16 | 17 |
|---------|----------------|------|-------|----------|----|---------|
| 1 | Command | 1.33 | PT/A | PRE | 0 | f 0 f |
| 2 | Command | 1.33 | PT/A | PRE | 0 | f 0 f |
| | Grasp | 2.0 | OZ/A | PRE | | |
| 3 | Command | 1.33 | PT/A | PRE | 67 | e 0 f |
| | Grasp | 2.3 | OZ/A | PRE | | |
| 4 | Command | 1.33 | PT/A | PRE | 83 | bc 70 d |
| | Grasp | 2.0 | OZ/A | 1-3" | | |
| | COC | 2.5 | % V/V | 1-3" | | |
| 5 | Command | 1.33 | PT/A | PRE | 90 | ab 80 c |
| | Grasp | 2.3 | OZ/A | 1-3" | | |
| | COC | 2.5 | % V/V | 1-3" | | |
| 6 | Command | 1.33 | PT/A | PRE | 72 | de 50 e |
| | Grasp | 2.0 | OZ/A | 3-6" | | |
| | COC | 2.5 | % V/V | 3-6" | | |
| 7 | Command | 1.33 | PT/A | PRE | 85 | b 70 d |
| | Grasp | 2.3 | OZ/A | 3-6" | | |
| | COC | 2.5 | % V/V | 3-6" | | |
| 8 | Command | 1.33 | PT/A | PRE | 93 | a 80 c |
| | Grasp | 2.0 | OZ/A | 1-3" | | |
| | Aim | 1.5 | OZ/A | 1-3" | | |
| | COC | 2.5 | % V/V | 1-3" | | |
| 9 | Command | 1.33 | PT/A | PRE | 90 | ab 80 c |
| | Grasp | 2.0 | OZ/A | 3-6" | | |
| | Aim | 1.5 | OZ/A | 3-6" | | |
| | COC | 2.5 | % V/V | 3-6" | | |
| 10 | Command | 1.33 | PT/A | PRE | 88 | ab 80 c |
| | Grasp | 2.0 | OZ/A | 1-3" | | |
| | Granstand | 0.5 | PT/A | 1-3" | | |
| | COC | 2.5 | % V/V | 1-3" | | |
| 11 | Command | 1.33 | PT/A | PRE | 77 | cd 70 d |
| | Grasp | 2.0 | OZ/A | 3-6" | | |
| | Granstand | 0.5 | PT/A | 3-6" | | |
| | COC | 2.5 | % V/V | 3-6" | | |
| 12 | Command | 1.33 | PT/A | PRE | 93 | a 90 a |
| | Grasp | 2.0 | OZ/A | 1-3" | | |
| | Permit | 0.35 | OZ/A | 1-3" | | |
| | COC | 2.5 | % V/V | 1-3" | | |

LSU Northeast Research Station

| | | |
|-------------------|----------|----------|
| Weed Code | CNPPA | CNPPA |
| Part Rated | PLATOT P | PLATOT P |
| Rating Data Type | CONTRO | CONTRO |
| Rating Unit | % | % |
| Rating Date | 6/24/05 | 8/10/05 |
| Trt-Eval Interval | 18 DA-C | 65 DA-C |

| Trt | Treatment | Rate | Unit | Grow | Stg | 16 | 17 |
|------------------|-----------|------|-------|------|-------|-------|----|
| 13 | Command | 1.33 | PT/A | PRE | 95 | a | 83 |
| | Grasp | 2.0 | OZ/A | 3-6" | | | |
| | Permit | 0.35 | OZ/A | 3-6" | | | |
| | COC | 2.5 | % V/V | 3-6" | | | |
| 14 | Grasp | 2.0 | OZ/A | 1-3" | 93 | a | 83 |
| | Permit | 0.35 | OZ/A | 1-3" | | | |
| | COC | 2.5 | % V/V | 1-3" | | | |
| | Clincher | 13.5 | OZ/A | 3-6" | | | |
| | COC | 2.5 | % V/V | 3-6" | | | |
| LSD (P=.05) | | | | | 8.2 | 2.9 | |
| Bartlett's X2 | | | | | 5.553 | 0.877 | |
| P(Bartlett's X2) | | | | | 0.851 | 0.349 | |

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.