

North Carolina State University

Velocity 80S for Post Emergent Control of Annual Bluegrass in Overseeded

Bermudagrass

Trial ID: 03-D06

Study Dir.: Travis Gannon

Location: Pinehurst #6

Investigator: Fred Yelverton

APPLICATION EQUIPMENT

| | A | B | C |
|------------------------------|-----------|-----------|-----------|
| Appl. Equipment: | CO2 SPRAY | CO2 SPRAY | CO2 SPRAY |
| Operating Pressure: | 42 PSI | 42 PSI | 42 PSI |
| Nozzle Type: | FLAT FAN | FLAT FAN | FLAT FAN |
| Nozzle Size: | VS8002XR | VS8002XR | VS8002XR |
| Nozzle Spacing, Unit: | 10 INCH | 10 INCH | 10 INCH |
| Nozzles/Row: | 4 | 4 | 4 |
| Boom Length, Unit: | 40 INCH | 40 INCH | 40 INCH |
| Boom Height, Unit: | 10 INCH | 10 INCH | 10 INCH |
| Ground Speed, Unit: | 3 MPH | 3 MPH | 3 MPH |
| Carrier: | WATER | WATER | WATER |
| Spray Volume, Unit: | 32.5 GPA | 32.5 GPA | 32.5 GPA |
| Propellant: | COMP CO2 | COMP CO2 | COMP CO2 |

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Trial ID: 03-D06
Location: Pinehurst #6

Study Dir.: Travis Gannon
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| | | | | | | | | | | POAAN | POAAN | POAAN | POAAN | |
|--------------------|----------------|-----------|-----------|------|-----------|--------------|-------------------|----------|-----------|--------------|---------|---------|---------|---------|
| | | | | | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | |
| | | | | | | | | | | % | % | % | % | |
| | | | | | | | | | | 3-4-03 | 3-10-03 | 3-17-03 | 3-24-03 | |
| | | | | | | | | | | 8 DA-A | 14 DA-A | 21 DA-A | 28 DA-A | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Spray Volume | | | | |
| 1 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 5.0 abc | 18.8 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | APRIL 14 | C | | | | | |
| 2 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 11.7 a | 18.8 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | MAR 17 | B | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | |
| 3 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 3.3 bc | 20.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | |
| 4 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 3.8 abc | 13.8 ab |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | |
| 5 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 6.3 abc | 18.8 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | |
| 6 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 8.3 ab | 15.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | |
| 7 | Velocity | 80 | SP | 1.71 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 8.3 ab | 12.5 ab |
| | Velocity | 80 | SP | 1.71 | oz ai/a | | | APRIL 14 | C | | | | | |
| 8 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 0.0 a | 0.0 a | 11.3 ab | 13.8 ab |
| 9 | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | 0.0 a | 0.0 a | 0.0 c | 0.0 b |
| 10 | Nontreated | | | | | | | | | | 0.0 a | 0.0 a | 0.0 c | 0.0 b |
| LSD (P=.05) | | | | | | | | | | | 0.00 | 0.00 | 7.98 | 14.19 |
| Standard Deviation | | | | | | | | | | | 0.00 | 0.00 | 5.45 | 9.74 |
| CV | | | | | | | | | | | 0.0 | 0.0 | 94.18 | 74.21 |
| Grand Mean | | | | | | | | | | | 0.0 | 0.0 | 5.79 | 13.13 |
| Bartlett's X2 | | | | | | | | | | | 0.0 | 0.0 | 2.281 | 6.003 |
| P(Bartlett's X2) | | | | | | | | | | | . | . | 0.943 | 0.539 |
| Replicate F | | | | | | | | | | | 0.000 | 0.000 | 0.992 | 2.273 |
| Replicate Prob(F) | | | | | | | | | | | 1.0000 | 1.0000 | 0.4141 | 0.1048 |
| Treatment F | | | | | | | | | | | 0.000 | 0.000 | 2.321 | 2.302 |
| Treatment Prob(F) | | | | | | | | | | | 1.0000 | 1.0000 | 0.0500 | 0.0483 |

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.

North Carolina State University

Velocity 80S for Post Emergent Control of Annual Bluegrass in Overseeded Bermudagrass

Trial ID: 03-D06
Location: Pinehurst #6

Study Dir.: Travis Gannon
Investigator: Fred Yelverton

| | | | | | | | | | | POAAN | POAAN | POAAN | LOLPE | LOLPE | |
|--------------------|------------|------|------|------|---------|---------|---------|----------|------|---------|---------|----------|----------|---------|--------|
| | | | | | | | | | | CONTROL | CONTROL | CONTROL | PHYTO | PHYTO | |
| | | | | | | | | | | % | % | % | % | % | |
| | | | | | | | | | | 3-31-03 | 4-14-03 | 4-28-03 | 3-4-03 | 3-10-03 | |
| | | | | | | | | | | 35 DA-A | 49 DA-A | 63 DA-A | 8 DA-A | 14 DA-A | |
| Trt | Treatment | Form | Form | Rate | Rate | Product | Product | Grow | Appl | Spray | | | | | |
| No. | Name | Conc | Type | Unit | Unit | Rate | Unit | Stg | Code | Volume | | | | | |
| 1 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 0.0 b | 46.3 abc | 56.3 bc | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 2 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 50.0 a | 63.8 ab | 78.8 a | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | MAR 17 | B | | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 3 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 33.3 ab | 68.3 a | 70.0 ab | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 4 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 7.5 b | 51.3 ab | 57.5 bc | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | |
| 5 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 36.3 ab | 13.8 de | 46.3 cd | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 6 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 28.3 ab | 21.7 cde | 50.0 bcd | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 7 | Velocity | 80 | SP | 1.71 | oz ai/a | | | FEB 24 | A | | 66.3 a | 48.8 abc | 57.5 bc | 0.0 a | 0.0 a |
| | Velocity | 80 | SP | 1.71 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 8 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 37.5 ab | 35.0 bcd | 30.0 d | 0.0 a | 0.0 a |
| 9 | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | 0.0 b | 0.0 e | 45.0 cd | 0.0 a | 0.0 a |
| 10 | Nontreated | | | | | | | | | | 0.0 b | 0.0 e | 0.0 e | 0.0 a | 0.0 a |
| LSD (P=.05) | | | | | | | | | | | 38.25 | 28.83 | 20.22 | 0.00 | 0.00 |
| Standard Deviation | | | | | | | | | | | 26.26 | 19.79 | 13.88 | 0.00 | 0.00 |
| CV | | | | | | | | | | | 101.33 | 56.76 | 28.26 | 0.0 | 0.0 |
| Grand Mean | | | | | | | | | | | 25.92 | 34.88 | 49.13 | 0.0 | 0.0 |
| Bartlett's X2 | | | | | | | | | | | 3.291 | 9.389 | 16.879 | 0.0 | 0.0 |
| P(Bartlett's X2) | | | | | | | | | | | 0.772 | 0.226 | 0.031* | . | . |
| Replicate F | | | | | | | | | | | 0.812 | 0.963 | 0.583 | 0.000 | 0.000 |
| Replicate Prob(F) | | | | | | | | | | | 0.4995 | 0.4256 | 0.6320 | 1.0000 | 1.0000 |
| Treatment F | | | | | | | | | | | 3.134 | 6.348 | 9.936 | 0.000 | 0.000 |
| Treatment Prob(F) | | | | | | | | | | | 0.0115 | 0.0001 | 0.0001 | 1.0000 | 1.0000 |

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.

North Carolina State University

Velocity 80S for Post Emergent Control of Annual Bluegrass in Overseeded

Bermudagrass

Trial ID: 03-D06
Location: Pinehurst #6

Study Dir.: Travis Gannon
Investigator: Fred Yelverton

| Weed Code | | | | | | | | | | LOLPE | LOLPE | LOLPE | LOLPE | LOLPE | TURF | |
|--------------------|----------------|-----------|-----------|------|-----------|--------------|-------------------|----------|-----------|--------------|---------|---------|---------|---------|---------|--------|
| Crop Code | | | | | | | | | | PHYTO | PHYTO | PHYTO | PHYTO | PHYTO | QUALITY | |
| Rating Data Type | | | | | | | | | | % | % | % | % | % | 1-9 | |
| Rating Unit | | | | | | | | | | 3-17-03 | 3-24-03 | 3-31-03 | 4-14-03 | 4-28-03 | 3-4-03 | |
| Rating Date | | | | | | | | | | 21 DA-A | 28 DA-A | 35 DA-A | 49 DA-A | 63 DA-A | 8 DA-A | |
| Trt-Eval Interval | | | | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Spray Volume | | | | | | |
| 1 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 1.3 bc | 8.8 a | 0.0 a | 0.0 a | 8.8 a | 7.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | | |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | APRIL 14 | C | | | | | | | |
| 2 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 2.5 bc | 8.8 a | 3.8 a | 0.0 a | 8.8 a | 7.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | MAR 17 | B | | | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | | |
| 3 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 1.3 bc | 0.0 b | 3.8 a | 0.0 a | 8.8 a | 7.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | | |
| 4 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 0.0 c | 0.0 b | 2.5 a | 0.0 a | 1.3 c | 7.0 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | | |
| 5 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 2.5 bc | 0.0 b | 0.0 a | 0.0 a | 6.3 ab | 7.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | | |
| 6 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 3.8 abc | 0.0 b | 0.0 a | 0.0 a | 8.8 a | 7.0 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | | |
| 7 | Velocity | 80 | SP | 1.71 | oz ai/a | | | FEB 24 | A | | 7.5 a | 0.0 b | 0.0 a | 0.0 a | 10.0 a | 7.0 a |
| | Velocity | 80 | SP | 1.71 | oz ai/a | | | APRIL 14 | C | | | | | | | |
| 8 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 5.0 ab | 0.0 b | 0.0 a | 0.0 a | 2.5 bc | 7.0 a |
| 9 | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | 0.0 c | 0.0 b | 0.0 a | 0.0 a | 10.0 a | 7.0 a |
| 10 | Nontreated | | | | | | | | | | 0.0 c | 0.0 b | 0.0 a | 0.0 a | 0.0 c | 7.0 a |
| LSD (P=.05) | | | | | | | | | | | 4.58 | 3.90 | 5.35 | 0.00 | 3.77 | 0.00 |
| Standard Deviation | | | | | | | | | | | 3.16 | 2.69 | 3.69 | 0.00 | 2.60 | 0.00 |
| CV | | | | | | | | | | | 132.99 | 153.57 | 368.93 | 0.0 | 40.0 | 0.0 |
| Grand Mean | | | | | | | | | | | 2.38 | 1.75 | 1.0 | 0.0 | 6.5 | 7.0 |
| Bartlett's X2 | | | | | | | | | | | 4.816 | 0.0 | 0.573 | 0.0 | 4.086 | 0.0 |
| P(Bartlett's X2) | | | | | | | | | | | 0.568 | 1.00 | 0.751 | . | 0.665 | . |
| Replicate F | | | | | | | | | | | 2.067 | 1.962 | 1.102 | 0.000 | 2.712 | 0.000 |
| Replicate Prob(F) | | | | | | | | | | | 0.1281 | 0.1436 | 0.3654 | 1.0000 | 0.0647 | 1.0000 |
| Treatment F | | | | | | | | | | | 2.429 | 7.538 | 0.796 | 0.000 | 8.589 | 0.000 |
| Treatment Prob(F) | | | | | | | | | | | 0.0360 | 0.0001 | 0.6230 | 1.0000 | 0.0001 | 1.0000 |

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.

North Carolina State University

Velocity 80S for Post Emergent Control of Annual Bluegrass in Overseeded Bermudagrass

Trial ID: 03-D06
Location: Pinehurst #6

Study Dir.: Travis Gannon
Investigator: Fred Yelverton

| Weed Code | | | | | | | | | | TURF | TURF | TURF | TURF | TURF | |
|--------------------|----------------|-----------|-----------|------|-----------|--------------|-------------------|----------|-----------|--------------|---------|---------|---------|---------|--------|
| Crop Code | | | | | | | | | | QUALITY | QUALITY | QUALITY | QUALITY | QUALITY | |
| Rating Data Type | | | | | | | | | | 1-9 | 1-9 | 1-9 | 1-9 | 1-9 | |
| Rating Unit | | | | | | | | | | 3-10-03 | 3-17-03 | 3-24-03 | 3-31-03 | 4-14-03 | |
| Rating Date | | | | | | | | | | 14 DA-A | 21 DA-A | 28 DA-A | 35 DA-A | 49 DA-A | |
| Trt-Eval Interval | | | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Spray Volume | | | | | |
| 1 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.8 a | 6.9 a | 6.8 a | 6.8 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 2 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.8 a | 7.0 a | 6.8 a | 7.1 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | MAR 17 | B | | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 3 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.8 a | 7.0 a | 6.9 a | 6.9 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 4 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.7 a | 7.0 a | 6.8 a | 6.9 a |
| | Velocity | 80 | SP | 0.43 | oz ai/a | | | MAR 17 | B | | | | | | |
| 5 | Velocity | 80 | SP | 0.43 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.8 a | 7.0 a | 6.9 a | 6.7 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 6 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.6 a | 6.9 a | 7.1 a | 6.8 a |
| | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 7 | Velocity | 80 | SP | 1.71 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.7 a | 7.0 a | 7.1 a | 6.9 a |
| | Velocity | 80 | SP | 1.71 | oz ai/a | | | APRIL 14 | C | | | | | | |
| 8 | Velocity | 80 | SP | 0.86 | oz ai/a | | | FEB 24 | A | | 7.0 a | 6.8 a | 7.0 a | 6.9 a | 6.8 a |
| 9 | Velocity | 80 | SP | 0.86 | oz ai/a | | | APRIL 14 | C | | 7.0 a | 6.8 a | 7.0 a | 7.1 a | 6.9 a |
| 10 | Nontreated | | | | | | | | | | 7.0 a | 6.9 a | 7.0 a | 6.8 a | 6.7 a |
| LSD (P=.05) | | | | | | | | | | | 0.00 | 0.15 | 0.13 | 0.33 | 0.23 |
| Standard Deviation | | | | | | | | | | | 0.00 | 0.11 | 0.09 | 0.23 | 0.16 |
| CV | | | | | | | | | | | 0.0 | 1.56 | 1.31 | 3.29 | 2.31 |
| Grand Mean | | | | | | | | | | | 7.0 | 6.74 | 6.98 | 6.89 | 6.84 |
| Bartlett's X2 | | | | | | | | | | | 0.0 | 2.507 | 1.317 | 4.981 | 4.48 |
| P(Bartlett's X2) | | | | | | | | | | | . | 0.643 | 0.251 | 0.662 | 0.877 |
| Replicate F | | | | | | | | | | | 0.000 | 2.780 | 0.686 | 0.527 | 2.903 |
| Replicate Prob(F) | | | | | | | | | | | 1.0000 | 0.0602 | 0.5688 | 0.6675 | 0.0531 |
| Treatment F | | | | | | | | | | | 0.000 | 1.712 | 0.852 | 1.676 | 1.984 |
| Treatment Prob(F) | | | | | | | | | | | 1.0000 | 0.1348 | 0.5772 | 0.1441 | 0.0817 |

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.

Trial Comments

9-4-02 - Vertical mowed area in two directions and removed debris.

10-15-02 - Trial area was overseeded with Allsport (by Lesco) perennial ryegrass (450 lb seed / acre).

1-1-03 - Trial area oversprayed with Prograss (0.75 oz/M or 0.38 lb ai/a).

2-24-03 - Trial initiated. Trial area extremely wet, otherwise application conditions were optimal. Annual bluegrass population sparse in parts of trial. Annual bluegrass is mature and clumpy in nature.

3-4-03 - Trial evaluated for annual bluegrass control, ryegrass injury, and turf quality. No injury or control symptoms present.

3-10-03 - Trial evaluated for annual bluegrass control, ryegrass injury, and turf quality. No injury or control symptoms present.

3-17-03 - Trial evaluated for annual bluegrass control, ryegrass injury, and turf quality and sequential treatments were applied. Select treated plots displaying slight ryegrass phytotoxicity.

3-24-03 - Trial evaluated for annual bluegrass control, ryegrass injury, and turf quality.

3-31-03 - Trial evaluated for annual bluegrass control, ryegrass injury, and turf quality. Full seedhead emergence of annual bluegrass is present. Reductions in turf quality are due in part to annual bluegrass seedhead emergence.

4-7-03 - Trial area visited, raining, too wet to evaluate, plan to apply sequential application on April 14.

North Carolina State University

Velocity 80S for Post Emergent Control of Annual Bluegrass in Overseeded

Bermudagrass

Trial ID: 03-D06

Study Dir.: Travis Gannon

Location: Pinehurst #6

Investigator: Fred Yelverton

4-14-03 - Trial evaluated for annual bluegrass control, ryegrass injury, and turf quality. Sequential applications that were to be applied at 21 days were applied.

4-28-03 - Trial evaluated for annual bluegrass control and perennial ryegrass phytotoxicity (final rating of season). Annual bluegrass beginning to dissipate in canopy.

Concluding remarks: After trial was initiated, it was determined that Velocity rates were incorrect, rates were lower than should have been and likely contributed to limited success.