

Purdue University

Miscellaneous herbicide treatments in pastures

Trial ID: 04-FPAC-PASTURE
Location: FPAC

Study Dir.: Vince Davis
Investigator: Dr. Bill Johnson

GENERAL TRIAL INFORMATION

Study Director: Vince Davis **Title:** Research Associate
Affiliation: Purdue University
Postal Code: 47907
Investigator: Dr. Bill Johnson **Title:** Associate Professor
Affiliation: Purdue University
Postal Code: 47907

TRIAL LOCATION

City: Bedford
State/Prov.: IN
Postal Code: 47421
Country: USA
E-Longitude of LL Corner °: 273.431180 **N-Latitude of LL Corner °:** 38.877600
Altitude of LL Corner: 627.00 **Unit:** feet

COOPERATOR/LANDOWNER

Cooperator: Feldun-Purdue Agricultural Center **Country:** USA
Address 1: 923 State Road 458 **Phone No:** 812-279-8554
City: Bedford **Fax No:** 812-279-4390
State/Prov: IN
Postal Code: 47421

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: The objective of this study is to evaluate the efficacy of herbicides used to control various pasture weeds.

CROP AND WEED DESCRIPTION

| Weed | Code | Common Name | Scientific Name |
|------|-------|----------------------|-----------------------------|
| 1. | VENBA | Western Ironweed | Vernonia baldwinii Torr. |
| 2. | SOLCA | HORSENETTLE | SOLANUM CAROLINENSE L. |
| 3. | ARFMI | BURDOCK | ARCTIUM MINUS (HILL) BERNH. |
| 4. | AMASP | AMARANTH, SPINY | AMARANTHUS SPINOSUS L. |
| 5. | RUMCR | DOCK, CURLY | RUMEX CRISPUS L. |
| 6. | STEME | Stellaria media | Common chickweed |
| 7. | TAROF | Taraxacum officinale | Common dandelion |
| 8. | TRFRE | Trifolium repens | Dutch clover |

Crop 1: FESSS FESCUE SP. **Variety:** Established Pasture

Crop 2: TRFSS CLOVER, TRIFOLIUM SP. **Variety:** Established pasture

SITE AND DESIGN

Plot Width, Unit: 10 FT **Plot Length, Unit:** 30 FT **Reps:** 4
Tillage Type: established pasture **Study Design:** RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance:

Once the trial is established, study area will be occasionally mowed to represent a typical grazing process.

MOISTURE CONDITIONS

APPLICATION DESCRIPTION

| | A | B | C |
|-----------------------------|-------------|------------|-------------|
| Application Date: | 26/May/2004 | 4/Nov/2004 | 15/Apr/2005 |
| Time of Day: | 2:00pm | 12:20pm | 11:30am |
| Application Method: | SPRAY | SPRAY | SPRAY |
| Application Timing: | SPRING | FALL | SPRING |
| Applic. Placement: | BROFOL | BROFOL | BROFOL |
| Air Temp., Unit: | 73 F | 51 F | 58 F |
| % Relative Humidity: | 78 | 95 | 40 |
| Wind Velocity, Unit: | 1.5 MPH | 7 MPH | 6 MPH |
| Soil Temp., Unit: | 72 F | 52 F | |
| Soil Moisture: | wet | wet | moist |
| % Cloud Cover: | 100 | 100 | 0 |

CROP STAGE AT EACH APPLICATION

| | A | B | C |
|---------------------|-------|-------|--------|
| Crop 1 Code, Stage: | FESSS | FESSS | FESSS |
| Stage Scale: | | | spotty |
| Height, Unit: | 10 IN | 8 IN | 12 IN |
| Crop 2 Code, Stage: | TRFSS | TRFSS | TRFSS |
| Height, Unit: | 8 IN | 2 IN | |

WEED STAGE AT EACH APPLICATION

| | A | B | C |
|---------------------|--------|---------------|-----------|
| Weed 1 Code, Stage: | VENBA | VENBA | VENBA |
| Stage Scale: | 8-12" | | |
| Density, Unit: | 4 YD2 | | |
| Weed 2 Code, Stage: | SOLCA | SOLCA | SOLCA |
| Stage Scale: | 8-12" | | |
| Density, Unit: | <1 YD2 | | |
| Weed 3 Code, Stage: | ARFMI | ARFMI | ARFMI |
| Stage Scale: | 8-10" | | |
| Density, Unit: | 4 YD2 | | |
| Weed 4 Code, Stage: | AMASP | AMASP | AMASP |
| Stage Scale: | na | | |
| Weed 5 Code, Stage: | RUMCR | RUMCR rosette | RUMCR |
| Stage Scale: | na | 18" | seedl-24" |
| Density, Unit: | | 1 YD2 | 2-5 plot |
| Weed 6 Code, Stage: | STEME | STEME | STEME |
| Stage Scale: | | 2" | 8-12"flow |
| Density, Unit: | | 25 YD2 | 3-5 YD2 |
| Weed 7 Code, Stage: | TAROF | TAROF rosette | TAROF |
| Stage Scale: | | 10" | sporadic |
| Density, Unit: | | 1 YD2 | |
| Weed 8 Code, Stage: | TRFRE | TRFRE | TRFRE |
| Stage Scale: | | | 2-6"spott |

APPLICATION EQUIPMENT

| | A | B | C |
|-----------------------|-----------|-----------|-----------|
| Appl. Equipment: | CO2 Backp | CO2 Backp | CO2 Backp |
| Operating Pressure: | 25 psi | 25 psi | 27 psi |
| Nozzle Type: | VS | VS | VS |
| Nozzle Size: | 8002 | 8002 | 11002 |
| Nozzle Spacing, Unit: | 20 IN | 20 IN | 20 IN |
| Boom Length, Unit: | 10 FT | 10 FT | 10 FT |
| Ground Speed, Unit: | 3 MPH | 3 MPH | 3 MPH |
| Carrier: | water | water | water |
| Spray Volume, Unit: | 15 gpa | 15 gpa | 15 gpa |
| Propellant: | CO2 | CO2 | CO2 |

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Study Dir.: Vince Davis
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| Weed Code | | | | | | | | | FESSS | FESSS | TRFSS | VENBA | SOLCA |
|--------------------|------------------------------|------|---------|--------------|--------------|----------|-----------|--------|--------------|--------------|--------------|--------------|--------------|
| Crop Code | | | | | | | | | plant | plant | plant | % | % |
| Part Rated | | | | | | | | | % | % | % | % | % |
| Rating Data Type | | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Unit | | | | | | | | | 10/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 |
| Rating Date | | | | | | | | | 4-12" | 12-18" | na | 12-24" | 8-12" |
| Crop Stage | | | | | | | | | veg | veg | veg | 1 YD2 | 1-5 YD2 |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | Earl & Reece |
| Assessed By | | | | | | | | | 15 DA-A | 29 DA-A | 29 DA-A | 29 DA-A | 29 DA-A |
| Trit-Eval Interval | | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Unit | Grow Stg | Appl Code | Plot | 1 | 2 | 3 | 4 | 5 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 5 | 0 | 100 | 100 | 85 |
| | | | | | | | | 304 | 10 | 0* | 99* | 85* | 25* |
| | | | | | | | | 606 | 0 | 0 | 95 | 40 | 0 |
| | | | | | | | | 705 | 5 | 0 | 100 | 100 | 40 |
| | | | | | | | | Mean = | 5 | 0 | 98 | 81 | 37 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | | | | | |
| | | | | | | | | 305 | | | | | |
| | | | | | | | | 601 | | | | | |
| | | | | | | | | 805 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 5 | 5 | 100 | 80 | 90 |
| | | | | | | | | 308 | 0 | 0 | 100 | 40 | 35 |
| | | | | | | | | 506 | 0 | 0 | 100 | 0 | 25 |
| | | | | | | | | 807 | 0 | 0 | 100 | 100 | 40 |
| | | | | | | | | Mean = | 1 | 1 | 100 | 55 | 48 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | | | | | |
| | | | | | | | | 401 | | | | | |
| | | | | | | | | 502 | | | | | |
| | | | | | | | | 704 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 10 | 0 | 100 | 85 | 80 |
| | | | | | | | | 411 | 0 | 0 | 100 | 70 | 40 |
| | | | | | | | | 609 | 0 | 0 | 100 | 100 | 25 |
| | | | | | | | | 706 | 0 | 0 | 100 | 100 | 75 |
| | | | | | | | | Mean = | 3 | 0 | 100 | 89 | 55 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | | | | | |
| | | | | | | | | 408 | | | | | |
| | | | | | | | | 505 | | | | | |
| | | | | | | | | 709 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 15 | 0 | 100 | 20 | 70 |
| | | | | | | | | 404 | 20 | 20 | 100 | 90 | 85 |
| | | | | | | | | 501 | 0 | 0 | 100 | 100 | 75 |
| | | | | | | | | 802 | 5 | 0 | 100 | 100 | 100 |
| | | | | | | | | Mean = | 10 | 5 | 100 | 78 | 83 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | | | | | |
| | | | | | | | | 303 | | | | | |
| | | | | | | | | 510 | | | | | |
| | | | | | | | | 702 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |

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| Weed Code | | | | | | | | | FESSS | FESSS | TRFSS | VENBA | SOLCA |
|--------------------|--|-----------------|----------|-------------|--------|------|--------|----|--------------|--------------|--------------|--------------|--------------|
| Crop Code | | | | | | | | | plant | plant | plant | % | % |
| Part Rated | | | | | | | | | % | % | % | % | % |
| Rating Data Type | | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Unit | | | | | | | | | 10/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 |
| Rating Date | | | | | | | | | 4-12" | 12-18" | na | 12-24" | 8-12" |
| Crop Stage | | | | | | | | | veg | veg | veg | 1 YD2 | 1-5 YD2 |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | Earl & Reece |
| Assessed By | | | | | | | | | 15 DA-A | 29 DA-A | 29 DA-A | 29 DA-A | 29 DA-A |
| Tri-Eval Interval | | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | Plot | | 1 | 2 | 3 | 4 | 5 |
| No. | Name | Unit | Rate | Rate | Stg | Code | | | | | | | |
| 9 | 2,4-D Ester NIS | 1 lb ae/a | 2 pt/a | 0.25 % v/v | SPRING | A | 109 | 5 | 0 | 0 | 90 | 90 | |
| | | | | | | | 302 | 0 | 0 | 100 | 25 | | |
| | | | | | | | 508 | 0 | 0 | 100 | 20 | | |
| | | | | | | | 701 | 0 | 0 | 70 | 90 | | |
| | | | | | | | Mean = | 1 | 0 | 0 | 90 | 56 | |
| 10 | 2,4-D Ester NIS | 1 lb ae/a | 2 pt/a | 0.25 % v/v | FALL | B | 110 | | | | | | |
| | | | | | | | 405 | | | | | | |
| | | | | | | | 511 | | | | | | |
| | | | | | | | 809 | | | | | | |
| | | | | | | | Mean = | . | . | . | . | . | |
| 11 | Grazon P+D NIS | 0.95 lb ae/a | 3 pt/a | 0.25 % v/v | SPRING | A | 111 | 5 | 0 | 90 | 100 | 90 | |
| | | | | | | | 301 | 5 | 5 | 100 | 100 | 60 | |
| | | | | | | | 608 | 5 | 0 | 100 | 90 | 100 | |
| | | | | | | | 810 | 0 | 0 | 100 | 90 | 80 | |
| | | | | | | | Mean = | 4 | 1 | 98 | 95 | 83 | |
| 12 | Grazon P+D NIS | 0.95 lb ae/a | 3 pt/a | 0.25 % v/v | FALL | B | 201 | | | | | | |
| | | | | | | | 407 | | | | | | |
| | | | | | | | 503 | | | | | | |
| | | | | | | | 707 | | | | | | |
| | | | | | | | Mean = | . | . | . | . | . | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 lb ai/a | 0.1 oz/a | 0.125 % v/v | SPRING | A | 202 | 15 | 5 | 100 | 100 | 0 | |
| | | | | | | | 410 | 8 | 0 | 100 | 0 | 25 | |
| | | | | | | | 504 | 15 | 10 | 100 | 85 | 20 | |
| | | | | | | | 811 | 10 | 0 | 100 | 0 | 25 | |
| | | | | | | | Mean = | 12 | 4 | 100 | 46 | 18 | |
| 14 | Cimarron (Ally XP) NIS | 0.00375 lb ai/a | 0.1 oz/a | 0.125 % v/v | FALL | B | 203 | | | | | | |
| | | | | | | | 306 | | | | | | |
| | | | | | | | 602 | | | | | | |
| | | | | | | | 711 | | | | | | |
| | | | | | | | Mean = | . | . | . | . | . | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 lb ai/a | 0.2 oz/a | 0.125 % v/v | SPRING | A | 204 | 10 | 10 | 100 | 30 | 0 | |
| | | | | | | | 309 | 20 | 5 | 100 | 100 | 0 | |
| | | | | | | | 605 | 10 | 5 | 100 | 15 | 0 | |
| | | | | | | | 801 | 12 | 5 | 100 | 100 | 90 | |
| | | | | | | | Mean = | 13 | 6 | 100 | 61 | 23 | |
| 16 | Cimarron (Ally XP) NIS | 0.0075 lb ai/a | 0.2 oz/a | 0.125 % v/v | FALL | B | 205 | | | | | | |
| | | | | | | | 310 | | | | | | |
| | | | | | | | 603 | | | | | | |
| | | | | | | | 804 | | | | | | |
| | | | | | | | Mean = | . | . | . | . | . | |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 lb ai/a | 0.1 oz/a | 0.125 % v/v | SPRING | A | 206 | 25 | 25 | 100 | 25 | 0 | |
| | | | | | | | 311 | 13 | 10 | 100 | 100 | 25 | |
| | | | | | | | 610 | 25 | 15 | 100 | 10 | 0 | |
| | | | | | | | 710 | 20 | 20 | 100 | 50 | 5 | |
| | | | | | | | Mean = | 21 | 18 | 100 | 46 | 8 | |

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| Weed Code | | | | | | | | | FESSS | FESSS | TRFSS | VENBA | SOLCA |
|--------------------|--------------------|---------|---------|---------|-----------|--------|------|--------|--------------|--------------|--------------|--------------|--------------|
| Crop Code | | | | | | | | | plant | plant | plant | % | % |
| Part Rated | | | | | | | | | % | % | % | % | % |
| Rating Data Type | | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Unit | | | | | | | | | 10/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 |
| Rating Date | | | | | | | | | 4-12" | 12-18" | na | 12-24" | 8-12" |
| Crop Stage | | | | | | | | | veg | veg | veg | 1 YD2 | 1-5 YD2 |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | Earl & Reece |
| Assessed By | | | | | | | | | 15 DA-A | 29 DA-A | 29 DA-A | 29 DA-A | 29 DA-A |
| Tri-Eval Interval | | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | | | 1 | 2 | 3 | 4 | 5 |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | Plot | | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 611 | | | | | |
| | | | | | | | | 708 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 0 | 5 | 100 | 75 | 25 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 5 | 0 | 100 | 78 | 0 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 10 | 5 | 100 | 20 | 10 |
| | | | | | | | | 703 | 15 | 10 | 100 | 100 | 85 |
| | | | | | | | | Mean = | 8 | 5 | 100 | 68 | 30 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | | | |
| | | | | | | | | 806 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 10 | 10 | 95 | 0 | 35 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 5 | 5 | 100 | 25 | 5 |
| | | | | | | | | 507 | 15 | 10 | 100 | 90 | 40 |
| | | | | | | | | 808 | 7 | 0 | 100 | 25 | 30 |
| | | | | | | | | Mean = | 9 | 6 | 99 | 35 | 28 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | | | |
| | | | | | | | | 604 | | | | | |
| | | | | | | | | 803 | | | | | |
| | | | | | | | | Mean = | . | . | . | . | . |

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| Weed Code | | | | | | | | | FESSS | TRFSS | VENBA |
|--------------------|------------------------------|--------------------------|------------------|------------|--------|------|--------|------|----------------------|----------------------|----------------------|
| Crop Code | | | | | | | | | plant | plant | |
| Part Rated | | | | | | | | | % | % | % |
| Rating Data Type | | | | | | | | | %injury | %injury | %control |
| Rating Unit | | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 |
| Rating Date | | | | | | | | | 12-24" | na | |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | | 12-36" |
| Weed Density, Unit | | | | | | | | | | | 1 YD2 |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | | Plot | 6 | 7 | 8 |
| No. | Name | Unit | Rate | Rate | Stg | Code | | | | | |
| 1 | Curtail (ae) NIS | 0.89 lb ae/a | 3 pt/a | 0.25 % v/v | SPRING | A | 101 | 0 | 100 | 100 | |
| | | | | | | | 304 | 0 | 100 | 0 | |
| | | | | | | | 606 | 0 | 100 | 80 | |
| | | | | | | | 705 | 0 | 95 | 50 | |
| | | | | | | | Mean = | 0 | 99 | 58 | |
| 2 | Curtail (ae) NIS | 0.89 lb ae/a | 3 pt/a | 0.25 % v/v | FALL | B | 102 | | | | |
| | | | | | | | 305 | | | | |
| | | | | | | | 601 | | | | |
| | | | | | | | 805 | | | | |
| | | | | | | | Mean = | . | . | . | |
| 3 | Curtail (ae) NIS | 1.19 lb ae/a | 4 pt/a | 0.25 % v/v | SPRING | A | 103 | 0 | 99 | 90 | |
| | | | | | | | 308 | 0 | 95 | 30 | |
| | | | | | | | 506 | 0 | 100 | 100 | |
| | | | | | | | 807 | 0 | 100 | 100 | |
| | | | | | | | Mean = | 0 | 99 | 80 | |
| 4 | Curtail (ae) NIS | 1.19 lb ae/a | 4 pt/a | 0.25 % v/v | FALL | B | 104 | | | | |
| | | | | | | | 401 | | | | |
| | | | | | | | 502 | | | | |
| | | | | | | | 704 | | | | |
| | | | | | | | Mean = | . | . | . | |
| 5 | Curtail (ae) NIS | 1.49 lb ae/a | 5 pt/a | 0.25 % v/v | SPRING | A | 105 | 0 | 100 | 100 | |
| | | | | | | | 411 | 0 | 100 | 75 | |
| | | | | | | | 609 | 0 | 100 | 100 | |
| | | | | | | | 706 | 0 | 100 | 100 | |
| | | | | | | | Mean = | 0 | 100 | 94 | |
| 6 | Curtail (ae) NIS | 1.49 lb ae/a | 5 pt/a | 0.25 % v/v | FALL | B | 106 | | | | |
| | | | | | | | 408 | | | | |
| | | | | | | | 505 | | | | |
| | | | | | | | 709 | | | | |
| | | | | | | | Mean = | . | . | . | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 lb ae/a 1 lb ae/a | 1 pt/a 2 pt/a | 0.25 % v/v | SPRING | A | 107 | 0 | 95 | 30 | |
| | | | | | | | 404 | 0 | 100 | 100 | |
| | | | | | | | 501 | 0 | 100 | 100 | |
| | | | | | | | 802 | 0 | 100 | 100 | |
| | | | | | | | Mean = | 0 | 99 | 83 | |
| 8 | Banvel 2,4-D Ester NIS | 0.5 lb ae/a 1 lb ae/a | 1 pt/a 2 pt/a | 0.25 % v/v | FALL | B | 108 | | | | |
| | | | | | | | 303 | | | | |
| | | | | | | | 510 | | | | |
| | | | | | | | 702 | | | | |
| | | | | | | | Mean = | . | . | . | |
| 9 | 2,4-D Ester NIS | 1 lb ae/a | 2 pt/a | 0.25 % v/v | SPRING | A | 109 | 0 | 0 | 93 | |
| | | | | | | | 302 | 0 | 50 | 100 | |
| | | | | | | | 508 | 0 | 0 | 90 | |
| | | | | | | | 701 | 0 | 0 | 90 | |
| | | | | | | | Mean = | 0 | 13 | 93 | |

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| | | | | | | | | | FESSS | TRFSS | VENBA |
|--------------------|--|---------|---------|--------------|-------------------|----------|-----------|------|----------------------|----------------------|----------------------|
| Weed Code | | | | | | | | | plant | plant | |
| Crop Code | | | | | | | | | % | % | % |
| Part Rated | | | | | | | | | %injury | %injury | %control |
| Rating Data Type | | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 |
| Rating Unit | | | | | | | | | 12-24" | na | |
| Rating Date | | | | | | | | | | | |
| Crop Stage | | | | | | | | | | | 12-36" |
| Crop Stage Scale | | | | | | | | | | | 1 YD2 |
| Weed Stage | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | | | |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 6 | 7 | 8 |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | | | |
| | | | | 0.25 | % v/v | FALL | B | 405 | | | |
| | | | | | | | | 511 | | | |
| | | | | | | | | 809 | | | |
| | | | | Mean = | | | | | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 0 | 100 | 93 |
| | | | | 0.25 | % v/v | SPRING | A | 301 | 0 | 100 | 100 |
| | | | | | | | | 608 | 0 | 100 | 90 |
| | | | | | | | | 810 | 0 | 100 | 90 |
| | | | | Mean = | | | | | | | |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | | | |
| | | | | 0.25 | % v/v | FALL | B | 407 | | | |
| | | | | | | | | 503 | | | |
| | | | | | | | | 707 | | | |
| | | | | Mean = | | | | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 0 | 100 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 410 | 0 | 100 | 50 |
| | | | | | | | | 504 | 0 | 100 | 100 |
| | | | | | | | | 811 | 0 | 100 | 0 |
| | | | | Mean = | | | | | | | |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | | | |
| | | | | 0.125 | % v/v | FALL | B | 306 | | | |
| | | | | | | | | 602 | | | |
| | | | | | | | | 711 | | | |
| | | | | Mean = | | | | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 0 | 100 | 0 |
| | | | | 0.125 | % v/v | SPRING | A | 309 | 0 | 100 | 100 |
| | | | | | | | | 605 | 0 | 100 | 20 |
| | | | | | | | | 801 | 0 | 100 | 100 |
| | | | | Mean = | | | | | | | |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | | | |
| | | | | 0.125 | % v/v | FALL | B | 310 | | | |
| | | | | | | | | 603 | | | |
| | | | | | | | | 804 | | | |
| | | | | Mean = | | | | | | | |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 0 | 100 | 20 |
| | | | | 0.25 | oz/a | SPRING | A | 311 | 0 | 100 | 100 |
| | | 0.0117 | lb ai/a | 0.125 | % v/v | SPRING | A | 610 | 0 | 100 | 50 |
| | | | | | | | | 710 | 0 | 100 | 0 |
| | | Mean = | | | | | | | | 0 | 100 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | |
| | | | | 0.25 | oz/a | FALL | B | 403 | | | |
| | | 0.0117 | lb ai/a | 0.125 | % v/v | FALL | B | 611 | | | |
| | | | | | | | | 708 | | | |
| | | Mean = | | | | | | | | . | . |

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| | | | | | | | | | FESSS | TRFSS | VENBA |
|--------------------|--------------------|---------|---------|---------|-----------|--------|------|------|----------------------|----------------------|----------------------|
| Weed Code | | | | | | | | | plant | plant | |
| Crop Code | | | | | | | | | % | % | % |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | %injury | %injury | %control |
| Rating Unit | | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 |
| Rating Date | | | | | | | | | 12-24" | na | |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | 12-36" |
| Weed Stage | | | | | | | | | | | 1 YD2 |
| Weed Density, Unit | | | | | | | | | | | |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | | | | | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | Plot | 6 | 7 | 8 |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 0 | 100 | 90 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 0 | 100 | 100 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 0 | 100 | 60 |
| | | | | | | | | 703 | 0 | 100 | 40 |
| | Mean = | | | | | | | | 0 | 100 | 73 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | |
| | | | | | | | | 806 | | | |
| | Mean = | | | | | | | | . | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 0 | 95 | 0 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 0 | 95 | 100 |
| | | | | | | | | 507 | 0 | 100 | 0 |
| | | | | | | | | 808 | 0 | 95 | 60 |
| | Mean = | | | | | | | | 0 | 96 | 40 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | |
| | | | | | | | | 604 | | | |
| | | | | | | | | 803 | | | |
| | Mean = | | | | | | | | . | . | . |

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| | | | | | | | | | SOLCA | AMASP | RUMCR |
|--------------------|----------------|------|--------------|--------------|-------------------|----------|-----------|--------|----------------------|----------------------|----------------------|
| Weed Code | | | | | | | | | | | |
| Crop Code | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | severity | % |
| Rating Unit | | | | | | | | | %control | 0-4 | %control |
| Rating Date | | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 4-24" | 12-24" | 10-15" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | | <1 YD2 |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 |
| Tri No. | Treatment Name | Rate | Product Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 9 | 10 | 11 |
| 1 | Curtail (ae) | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 95 | 2 | 0 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 304 | 0 | 2 | 100 |
| | | | | | | | | 606 | 0 | 2 | 100 |
| | | | | | | | | 705 | 80 | 1 | 100 |
| | | | | | | | | Mean = | | 44 | 2 |
| 2 | Curtail (ae) | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 305 | | | |
| | | | | | | | | 601 | | | |
| | | | | | | | | 805 | | | |
| | | | | | | | | Mean = | | . | . |
| 3 | Curtail (ae) | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 100 | 2 | 100 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 308 | 50 | 1 | 100 |
| | | | | | | | | 506 | 0 | 3 | 100 |
| | | | | | | | | 807 | 40 | 2 | 100 |
| | | | | | | | | Mean = | | 48 | 2 |
| 4 | Curtail (ae) | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 401 | | | |
| | | | | | | | | 502 | | | |
| | | | | | | | | 704 | | | |
| | | | | | | | | Mean = | | . | . |
| 5 | Curtail (ae) | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 80 | 0 | 50 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 411 | 0 | 0 | 100 |
| | | | | | | | | 609 | 0 | 2 | 100 |
| | | | | | | | | 706 | 15 | 1 | 100 |
| | | | | | | | | Mean = | | 24 | 1 |
| 6 | Curtail (ae) | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 408 | | | |
| | | | | | | | | 505 | | | |
| | | | | | | | | 709 | | | |
| | | | | | | | | Mean = | | . | . |
| 7 | Banvel | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 50 | 0 | 70 |
| | 2,4-D Ester | 1 | lb ae/a | 2 | pt/a | SPRING | A | 404 | 75 | 4 | 100 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 501 | 25 | 2 | 100 |
| | | | | | | | 802 | 80 | 1 | 100 | |
| | | | | | | Mean = | | 58 | 2 | 93 | |
| 8 | Banvel | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | | | |
| | 2,4-D Ester | 1 | lb ae/a | 2 | pt/a | FALL | B | 303 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 510 | | | |
| | | | | | | | 702 | | | | |
| | | | | | | Mean = | | . | . | . | |
| 9 | 2,4-D Ester | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 75 | 0 | 95 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 302 | 0 | 2 | 25 |
| | | | | | | | 508 | 65 | 0 | 100 | |
| | | | | | | | 701 | 90 | 0 | 95 | |
| | | | | | | Mean = | | 58 | 1 | 79 | |

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|--------------------|--------------------------------------|---------|---------|--------------|-------------------|----------|-----------|--------|----------------------|----------------------|----------------------|
| Weed Code | | | | | | | | | | | |
| Crop Code | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | severity | % |
| Rating Unit | | | | | | | | | %control | 0-4 | %control |
| Rating Date | | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 4-24" | 12-24" | 10-15" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | | <1 YD2 |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 9 | 10 | 11 |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | | | |
| | | | | 0.25 | % v/v | FALL | B | 405 | | | |
| | | | | | | | | 511 | | | |
| | | | | | | | | 809 | | | |
| | | | | | | | | Mean = | . | . | . |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 85 | 0 | 90 |
| | | | | 0.25 | % v/v | SPRING | A | 301 | 20 | 2 | 100 |
| | | | | | | | | 608 | 95 | 2 | 100 |
| | | | | | | | | 810 | 100 | 1 | 100 |
| | | | | | | | | Mean = | 75 | 1 | 98 |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | | | |
| | | | | 0.25 | % v/v | FALL | B | 407 | | | |
| | | | | | | | | 503 | | | |
| | | | | | | | | 707 | | | |
| | | | | | | | | Mean = | . | . | . |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 25 | 1 | 90 |
| | | | | 0.125 | % v/v | SPRING | A | 410 | 30 | 2 | 100 |
| | | | | | | | | 504 | 0 | 3 | 0 |
| | | | | | | | | 811 | 0 | 1 | 100 |
| | | | | | | | | Mean = | 14 | 2 | 73 |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | | | |
| | | | | 0.125 | % v/v | FALL | B | 306 | | | |
| | | | | | | | | 602 | | | |
| | | | | | | | | 711 | | | |
| | | | | | | | | Mean = | . | . | . |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 0 | 0 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 309 | 0 | 1 | 100 |
| | | | | | | | | 605 | 0 | 1 | 100 |
| | | | | | | | | 801 | 70 | 0 | 100 |
| | | | | | | | | Mean = | 18 | 1 | 100 |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | | | |
| | | | | 0.125 | % v/v | FALL | B | 310 | | | |
| | | | | | | | | 603 | | | |
| | | | | | | | | 804 | | | |
| | | | | | | | | Mean = | . | . | . |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 0 | 0 | 100 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 311 | 0 | 0 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 610 | 0 | 0 | 100 |
| | | | | | | | | 710 | 0 | 0 | 100 |
| | | | | | | | | Mean = | 0 | 0 | 100 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | | | |
| | | | | 0.125 | % v/v | FALL | B | 611 | | | |
| | | | | | | | | 708 | | | |
| | | | | | | | | Mean = | . | . | . |

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|--------------------|--------------------|---------|---------|---------|-----------|--------|------|--------|----------------------|----------------------|----------------------|
| Weed Code | | | | | | | | | | | |
| Crop Code | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | severity | % |
| Rating Unit | | | | | | | | | %control | 0-4 | %control |
| Rating Date | | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 4-24" | 12-24" | 10-15" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | | <1 YD2 |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | | | | | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | Plot | 9 | 10 | 11 |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 10 | 0 | 100 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 25 | 1 | 100 |
| | | | | | | | | 703 | 0 | 1 | 60 |
| | | | | | | | | 703 | 80 | 0 | 100 |
| | | | | | | | | Mean = | 29 | 1 | 90 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | |
| | | | | | | | | 806 | | | |
| | | | | | | | | Mean = | . | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 0 | 0 | 0 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 0 | 3 | 90 |
| | | | | | | | | 507 | 0 | 2 | 50 |
| | | | | | | | | 808 | 0 | 0 | 80 |
| | | | | | | | | Mean = | 0 | 1 | 55 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | |
| | | | | | | | | 604 | | | |
| | | | | | | | | 803 | | | |
| | | | | | | | | Mean = | . | . | . |

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| Weed Code | | | | | | | | | Misc. gr | FESSS | TRFSS | VENBA | | |
|--------------------|------------------------------|------|--------------|--------------|-------------------|----------|-----------|--------|----------------------|---------------|---------------|---------------|-----|-----|
| Crop Code | | | | | | | | | | plant | plant | | | |
| Part Rated | | | | | | | | | | % | % | % | | |
| Rating Data Type | | | | | | | | | severity | %injury | %injury | %control | | |
| Rating Unit | | | | | | | | | 0-4 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | | |
| Rating Date | | | | | | | | | 26/Jul/2004 | 24-36" | na | | | |
| Crop Stage | | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | misc | 500 YD2 | | 12-42" | | |
| Weed Density, Unit | | | | | | | | | | | | 1 YD2 | | |
| Assessed By | | | | | | | | | Earl, Reece, & Vince | Glenn & Reece | Glenn & Reece | Glenn & Reece | | |
| Tri-Eval Interval | | | | | | | | | 61 DA-A | 93 DA-A | 93 DA-A | 93 DA-A | | |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 | 0 | | |
| Tri No. | Treatment Name | Rate | Product Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 12 | 13 | 14 | 15 | | |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 0 | 0 | 100 | 100 | | |
| | | | | 0.25 | % v/v | SPRING | A | 304 | 3 | 60 | 100 | 25 | | |
| | | | | | | | | 606 | 2 | 0 | 100 | 90 | | |
| | | | | | | | | 705 | 2 | 0 | 100 | 70 | | |
| | | | | Mean = | | | | | | | 2 | 15 | 100 | 71 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | | | | | | |
| | | | | 0.25 | % v/v | FALL | B | 305 | | | | | | |
| | | | | | | | | 601 | | | | | | |
| | | | | | | | | 805 | | | | | | |
| | | | | Mean = | | | | | | | . | . | . | . |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 0 | 0 | 100 | 25 | | |
| | | | | 0.25 | % v/v | SPRING | A | 308 | 3 | 0 | 100 | 20 | | |
| | | | | | | | | 506 | 2 | 0 | 100 | 25 | | |
| | | | | | | | | 807 | 2 | 0 | 100 | 90 | | |
| | | | | Mean = | | | | | | | 2 | 0 | 100 | 40 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | | | | | | |
| | | | | 0.25 | % v/v | FALL | B | 401 | | | | | | |
| | | | | | | | | 502 | | | | | | |
| | | | | | | | | 704 | | | | | | |
| | | | | Mean = | | | | | | | . | . | . | . |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 0 | 0 | 100 | 100 | | |
| | | | | 0.25 | % v/v | SPRING | A | 411 | 1 | 0 | 100 | 80 | | |
| | | | | | | | | 609 | 2 | 0 | 100 | 90 | | |
| | | | | | | | | 706 | 2 | 0 | 100 | 90 | | |
| | | | | Mean = | | | | | | | 1 | 0 | 100 | 90 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | | | | | | |
| | | | | 0.25 | % v/v | FALL | B | 408 | | | | | | |
| | | | | | | | | 505 | | | | | | |
| | | | | | | | | 709 | | | | | | |
| | | | | Mean = | | | | | | | . | . | . | . |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 0 | 0 | 80 | 20 | | |
| | | | | 1 | lb ae/a | 2 | pt/a | SPRING | A | 404 | 2 | 0 | 100 | 54* |
| | | | | 0.25 | % v/v | SPRING | A | 501 | 3 | 0 | 100 | 50 | | |
| | | | | | | | | 802 | 1 | 0 | 100 | 80 | | |
| | | | | Mean = | | | | | | | 2 | 0 | 95 | 51 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | | | | | | |
| | | | | 1 | lb ae/a | 2 | pt/a | FALL | B | 303 | | | | |
| | | | | 0.25 | % v/v | FALL | B | 510 | | | | | | |
| | | | | | | | | 702 | | | | | | |
| | | | | Mean = | | | | | | | . | . | . | . |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 0 | 0 | 0 | 80 | | |
| | | | | 0.25 | % v/v | SPRING | A | 302 | 3 | 60 | 0 | 50 | | |
| | | | | | | | | 508 | 0 | 0 | 0 | 80 | | |
| | | | | | | | | 701 | 1 | 0 | 0 | 80 | | |
| | | | | Mean = | | | | | | | 1 | 15 | 0 | 73 |

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| | | | | | | | | | Misc. gr | FESSS | TRFSS | VENBA | | |
|---------|--------------------------------------|---------|--------------|--------------|-------------------|----------|-----------|--------|----------------------|-------------|---------------|-------------|-----|----|
| | | | | | | | | | severity | plant % | plant % | % | | |
| | | | | | | | | | 0-4 | %injury | %injury | %control | | |
| | | | | | | | | | 26/Jul/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | | |
| | | | | | | | | | | 24-36" | na | | | |
| | | | | | | | | | misc | | | 12-42" | | |
| | | | | | | | | | Earl, Reece, & Vince | 500 YD2 | Glenn & Reece | 1 YD2 | | |
| | | | | | | | | | 61 DA-A | 93 DA-A | 93 DA-A | 93 DA-A | | |
| | | | | | | | | | 0 | 0 | 0 | 0 | | |
| Trt No. | Treatment Name | Rate | Product Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 12 | 13 | 14 | 15 | | |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | | | | | | |
| | | | | 0.25 | % v/v | FALL | B | 405 | | | | | | |
| | | | | | | | | 511 | | | | | | |
| | | | | | | | | 809 | | | | | | |
| | | | | | | | | Mean = | | | | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 0 | 0 | 100 | 100 | | |
| | | | | 0.25 | % v/v | SPRING | A | 301 | 3 | 60 | 100 | 50 | | |
| | | | | | | | | 608 | 2 | 0 | 100 | 90 | | |
| | | | | | | | | 810 | 2 | 0 | 100 | 40 | | |
| | | | | | | | | Mean = | | 2 | 15 | 100 | 70 | |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | | | | | | |
| | | | | 0.25 | % v/v | FALL | B | 407 | | | | | | |
| | | | | | | | | 503 | | | | | | |
| | | | | | | | | 707 | | | | | | |
| | | | | | | | | Mean = | | | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 3 | 0 | 100 | 90 | | |
| | | | | 0.125 | % v/v | SPRING | A | 410 | 1 | 0 | 100 | 60 | | |
| | | | | | | | | 504 | 2 | 0 | 90 | 52" | | |
| | | | | | | | | 811 | 2 | 0 | 100 | 0 | | |
| | | | | | | | | Mean = | | 2 | 0 | 98 | 51 | |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | | | | | | |
| | | | | 0.125 | % v/v | FALL | B | 306 | | | | | | |
| | | | | | | | | 602 | | | | | | |
| | | | | | | | | 711 | | | | | | |
| | | | | | | | | Mean = | | | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 0 | 0 | 100 | 0 | | |
| | | | | 0.125 | % v/v | SPRING | A | 309 | 1 | 0 | 100 | 90 | | |
| | | | | | | | | 605 | 2 | 0 | 100 | 0 | | |
| | | | | | | | | 801 | 1 | 0 | 100 | 90 | | |
| | | | | | | | | Mean = | | 1 | 0 | 100 | 45 | |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | | | | | | |
| | | | | 0.125 | % v/v | FALL | B | 310 | | | | | | |
| | | | | | | | | 603 | | | | | | |
| | | | | | | | | 804 | | | | | | |
| | | | | | | | | Mean = | | | | | | |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 3 | 0 | 100 | 10 | | |
| | | | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 311 | 0 | 0 | 100 | 90 |
| | | | | | | 0.125 | % v/v | SPRING | A | 610 | 2 | 0 | 100 | 90 |
| | | | | | | | | 710 | 2 | 0 | 100 | 90 | | |
| | | | | | | | | Mean = | | 2 | 0 | 100 | 70 | |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | | | | |
| | | | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | | | | |
| | | | | | | 0.125 | % v/v | FALL | B | 611 | | | | |
| | | | | | | | | 708 | | | | | | |
| | | | | | | | | Mean = | | | | | | |

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| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Assessed By Tri-Eval Interval # Subsamples, Dec. | | | | | | | | | Misc. gr | FESSS plant % | TRFSS plant % | VENBA % |
|--|--------------------|---------|---------|---------|-----------|--------|------|--------|--|--|-------------------------------|--|
| | | | | | | | | | severity 0-4 26/Jul/2004 | %injury 27/Aug/2004 24-36" | %injury 27/Aug/2004 na | %control 27/Aug/2004 |
| | | | | | | | | | misc Earl, Reece, & Vince 61 DA-A 0 | 500 YD2 Glenn & Reece 93 DA-A 0 | Glenn & Reece 93 DA-A 0 | 12-42" 1 YD2 Glenn & Reece 93 DA-A 0 |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | | Plot | 12 | 13 | 14 | 15 |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 2 | 0 | 100 | 90 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 1 | 0 | 100 | 90 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 2 | 0 | 100 | 30 |
| | | | | | | | | 703 | 1 | 0 | 100 | 40 |
| | | | | | | | | Mean = | 2 | 0 | 100 | 63 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | | |
| | | | | | | | | 806 | | | | |
| | | | | | | | | Mean = | . | . | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 2 | 0 | 90 | 0 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 2 | 0 | 100 | 90 |
| | | | | | | | | 507 | 2 | 0 | 100 | 90 |
| | | | | | | | | 808 | 1 | 0 | 100 | 0 |
| | | | | | | | | Mean = | 2 | 0 | 98 | 45 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | | |
| | | | | | | | | 604 | | | | |
| | | | | | | | | 803 | | | | |
| | | | | | | | | Mean = | . | . | . | . |

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| Weed Code | | | | | | | | | SOLCA | AMASP | RUMCR | Misc. gr | RUMCR |
|--------------------|------------------------------|------|--------------|--------------|-------------------|----------|-----------|--------|---------------|---------------|---------------|---------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | severity | % |
| Rating Unit | | | | | | | | | %control | %control | %control | 0-4 | %control |
| Rating Date | | | | | | | | | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 15/Apr/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 6-30" | 12-36" | 6-24" | misc | sedl-24" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | 0-10YD2 | 1 YD2 | | 2-5 plot |
| Assessed By | | | | | | | | | Glenn & Reece | Glenn & Reece | Glenn & Reece | Glenn & Reece | RD+VMD |
| Tri-Eval Interval | | | | | | | | | 93 DA-A | 93 DA-A | 93 DA-A | 93 DA-A | |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 | 0 | |
| Trt No. | Treatment Name | Rate | Product Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 16 | 17 | 18 | 19 | 20 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | 304 | 10 | 0 | 20 | 2 | 50 |
| | | | | | | | | 606 | 0 | 0 | 90 | 2 | 100 |
| | | | | | | | | 705 | 20 | 80 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 8 | 20 | 51 | 2 | 63 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | | | | | 80 |
| | | | | | | | | 305 | | | | | 0 |
| | | | | | | | | 601 | | | | | 100 |
| | | | | | | | | 805 | | | | | 75 |
| | | | | | | | | Mean = | . | . | . | . | 64 |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 100 | 0 | 100 | 1 | 100 |
| | | | | | | | | 308 | 40 | 30 | 90 | 1 | 100 |
| | | | | | | | | 506 | 0 | 10 | 50 | 2 | 80 |
| | | | | | | | | 807 | 0 | 0 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 35 | 10 | 84 | 2 | 95 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | | | | | 50 |
| | | | | | | | | 401 | | | | | 100 |
| | | | | | | | | 502 | | | | | 0 |
| | | | | | | | | 704 | | | | | 75 |
| | | | | | | | | Mean = | . | . | . | . | 56 |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 75 | 0 | 50 | 4 | 30 |
| | | | | | | | | 411 | 20 | 90 | 90 | 1 | 100 |
| | | | | | | | | 609 | 20 | 20 | 90 | 2 | 100 |
| | | | | | | | | 706 | 0 | 80 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 29 | 48 | 81 | 2 | 83 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | | | | | 50 |
| | | | | | | | | 408 | | | | | 90 |
| | | | | | | | | 505 | | | | | 40 |
| | | | | | | | | 709 | | | | | 65 |
| | | | | | | | | Mean = | . | . | . | . | 61 |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 0 | 0 | 50 | 2 | 75 |
| | | | | | | | | 404 | 0 | 0 | 0 | 4 | 0 |
| | | | | | | | | 501 | 30 | 20 | 90 | 2 | 100 |
| | | | | | | | | 802 | 40 | 40 | 95 | 1 | 100 |
| | | | | | | | | Mean = | 18 | 15 | 59 | 2 | 69 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | | | | | 50 |
| | | | | | | | | 303 | | | | | 0 |
| | | | | | | | | 510 | | | | | 100 |
| | | | | | | | | 702 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 63 |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 0 | 100 | 50 | 1 | 0 |
| | | | | | | | | 302 | 0 | 0 | 10 | 3 | 0 |
| | | | | | | | | 508 | 25 | 95 | 95 | 0 | 100 |
| | | | | | | | | 701 | 20 | 95 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 11 | 73 | 63 | 2 | 50 |

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| Weed Code | | | | | | | | | SOLCA | AMASP | RUMCR | Misc. gr | RUMCR |
|--------------------|--------------------------------------|---------|---------|--------------|-------------------|----------|-----------|--------|---------------|---------------|---------------|---------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | severity | % |
| Rating Unit | | | | | | | | | %control | %control | %control | 0-4 | %control |
| Rating Date | | | | | | | | | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 15/Apr/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 6-30" | 12-36" | 6-24" | misc | sedl-24" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | 0-10YD2 | 1 YD2 | | 2-5 plot |
| Assessed By | | | | | | | | | Glenn & Reece | Glenn & Reece | Glenn & Reece | Glenn & Reece | RD+VMD |
| Tri-Eval Interval | | | | | | | | | 93 DA-A | 93 DA-A | 93 DA-A | 93 DA-A | |
| # Subsamples, Dec. | | | | | | | | | 0 | 0 | 0 | 0 | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 16 | 17 | 18 | 19 | 20 |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | | | | | 0 |
| | | | | 0.25 | % v/v | FALL | B | 405 | | | | | 100 |
| | | | | | | | | 511 | | | | | 100 |
| | | | | | | | | 809 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 75 |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 50 | 0 | 100 | 1 | 0 |
| | | | | 0.25 | % v/v | SPRING | A | 301 | 0 | 0 | 10 | 2 | 60 |
| | | | | | | | | 608 | 80 | 10 | 90 | 2 | 80 |
| | | | | | | | | 810 | 75 | 80 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 51 | 23 | 74 | 2 | 60 |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | | | | | 85 |
| | | | | 0.25 | % v/v | FALL | B | 407 | | | | | 100 |
| | | | | | | | | 503 | | | | | 100 |
| | | | | | | | | 707 | | | | | 80 |
| | | | | | | | | Mean = | . | . | . | . | 91 |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 0 | 0 | 90 | 3 | 0 |
| | | | | 0.125 | % v/v | SPRING | A | 410 | 0 | 30 | 90 | 1 | 100 |
| | | | | | | | | 504 | 0 | 0 | 0 | 2 | 0 |
| | | | | | | | | 811 | 0 | 85 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 0 | 29 | 69 | 2 | 50 |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | | | | | 100 |
| | | | | 0.125 | % v/v | FALL | B | 306 | | | | | 100 |
| | | | | | | | | 602 | | | | | 100 |
| | | | | | | | | 711 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 100 |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 0 | 20 | 90 | 1 | 65 |
| | | | | 0.125 | % v/v | SPRING | A | 309 | 40 | 50 | 90 | 1 | 100 |
| | | | | | | | | 605 | 0 | 80 | 90 | 1 | 70 |
| | | | | | | | | 801 | 80 | 90 | 95 | 2 | 100 |
| | | | | | | | | Mean = | 30 | 60 | 91 | 1 | 84 |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | | | | | 100 |
| | | | | 0.125 | % v/v | FALL | B | 310 | | | | | 100 |
| | | | | | | | | 603 | | | | | 100 |
| | | | | | | | | 804 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 100 |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 0 | 10 | 0 | 3 | 0 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 311 | 65 | 60 | 90 | 1 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 610 | 0 | 90 | 90 | 2 | 100 |
| | | | | | | | | 710 | 0 | 85 | 95 | 3 | 100 |
| | | | | | | | | Mean = | 16 | 61 | 69 | 2 | 75 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | | | 100 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | | | | | 102* |
| | | | | 0.125 | % v/v | FALL | B | 611 | | | | | 100 |
| | | | | | | | | 708 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 101 |

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| | | | | | | | | | SOLCA | AMASP | RUMCR | Misc. gr | RUMCR |
|-----|--------------------|---------|---------|---------|-----------|--------|------|--------|---------------|---------------|---------------|---------------|-------------|
| | | | | | | | | | % | % | % | severity | % |
| | | | | | | | | | %control | %control | %control | 0-4 | %control |
| | | | | | | | | | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 15/Apr/2005 |
| | | | | | | | | | 6-30" | 12-36" | 6-24" | misc | sedl-24" |
| | | | | | | | | | 1-5 YD2 | 0-10YD2 | 1 YD2 | | 2-5 plot |
| | | | | | | | | | Glenn & Reece | Glenn & Reece | Glenn & Reece | Glenn & Reece | RD+VMD |
| | | | | | | | | | 93 DA-A | 93 DA-A | 93 DA-A | 93 DA-A | |
| | | | | | | | | | 0 | 0 | 0 | 0 | |
| Trt | Treatment | Rate | Product | Product | Grow | Appl | | | | | | | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | Plot | 16 | 17 | 18 | 19 | 20 |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 0 | 0 | 95 | 3 | 85 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 30 | 40 | 90 | 1 | 80 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 0 | 0 | 90 | 3 | 50 |
| | | | | | | | | 703 | 30 | 85 | 95 | 1 | 100 |
| | | | | | | | | Mean = | 15 | 31 | 93 | 2 | 79 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | | | 100 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | | | 100 |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | | | 100 |
| | | | | | | | | 806 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 100 |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 0 | 0 | 0 | 0 | 0 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 0 | 0 | 90 | 2 | 100 |
| | | | | | | | | 507 | 0 | 25 | 0 | 1 | 20 |
| | | | | | | | | 808 | 0 | 20 | 0 | 1 | 50 |
| | | | | | | | | Mean = | 0 | 11 | 23 | 1 | 43 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | | | 90 |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | | | 100 |
| | | | | | | | | 604 | | | | | 60 |
| | | | | | | | | 803 | | | | | 100 |
| | | | | | | | | Mean = | . | . | . | . | 88 |

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| Weed Code | | | | | | | | | STEME | TRFRE | FESSS | FESSS | RUMCR |
|--------------------|------------------------------|------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % |
| Rating Unit | | | | | | | | | %control | %control | %injury | %injury | %control |
| Rating Date | | | | | | | | | 15/Apr/2005 | 15/Apr/2005 | 15/Apr/2005 | 27/Apr/2005 | 27/Apr/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 8-12" | 2-6" | 6-18" | 8-22" | 4-30" |
| Weed Density, Unit | | | | | | | | | 4 YD2 | spoty | 500 YD2 | 500 YD2 | 2-5 plot |
| Assessed By | | | | | | | | | RD+VMD | RD+VMD | RD+VMD | RD+VMD | RD+VMD |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 21 | 22 | 23 | 24 | 25 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 50 | 100 | 0 | 0 | 50 |
| | | | | | | | | 304 | 50 | 100 | 0 | 5 | 50 |
| | | | | | | | | 606 | 0 | 100 | 0 | 5 | 100 |
| | | | | | | | | 705 | 100 | 100 | 0 | 8 | 100 |
| | | | | | | | | Mean = | 50 | 100 | 0 | 5 | 75 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | 40 | 100 | 0 | | |
| | | | | | | | | 305 | 0 | 100 | 0 | | |
| | | | | | | | | 601 | 95 | 100 | 0 | | |
| | | | | | | | | 805 | 100 | 100 | 0 | | |
| | | | | | | | | Mean = | 59 | 100 | 0 | . | . |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 50 | 100 | 0 | 0 | 100 |
| | | | | | | | | 308 | 0 | 100 | 0 | 15 | 100 |
| | | | | | | | | 506 | 0 | 100 | 0 | 0 | 100 |
| | | | | | | | | 807 | 100 | 100 | 0 | 5 | 100 |
| | | | | | | | | Mean = | 38 | 100 | 0 | 5 | 100 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | 60 | 100 | 0 | | |
| | | | | | | | | 401 | 50 | 100 | 0 | | |
| | | | | | | | | 502 | 0 | 100 | 0 | | |
| | | | | | | | | 704 | 100 | 20 | 0 | | |
| | | | | | | | | Mean = | 53 | 80 | 0 | . | . |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 35 | 100 | 0 | 0 | 65 |
| | | | | | | | | 411 | 70 | 100 | 0 | 5 | 100 |
| | | | | | | | | 609 | 90 | 100 | 0 | 0 | 100 |
| | | | | | | | | 706 | 90 | 100 | 0 | 5 | 100 |
| | | | | | | | | Mean = | 71 | 100 | 0 | 3 | 91 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | 0 | 100 | 0 | | |
| | | | | | | | | 408 | 90 | 50 | 0 | | |
| | | | | | | | | 505 | 0 | 100 | 0 | | |
| | | | | | | | | 709 | 80 | 100 | 0 | | |
| | | | | | | | | Mean = | 43 | 88 | 0 | . | . |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 0 | 100 | 0 | 25 | 40 |
| | | | | | | | | 404 | 0 | 100 | 0 | 5 | 85 |
| | | | | | | | | 501 | 0 | 100 | 0 | 0 | 100 |
| | | | | | | | | 802 | 100 | 100 | 0 | 10 | 100 |
| | | | | | | | | Mean = | 25 | 100 | 0 | 10 | 81 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | 0 | 100 | 0 | | |
| | | | | | | | | 303 | 90 | 100 | 0 | | |
| | | | | | | | | 510 | 100 | 100 | 0 | | |
| | | | | | | | | 702 | 100 | 100 | 0 | | |
| | | | | | | | | Mean = | 73 | 100 | 0 | . | . |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 0 | 100 | 0 | 10 | 25 |
| | | | | | | | | 302 | 0 | 25 | 0 | 15 | 40 |
| | | | | | | | | 508 | 75 | 20 | 0 | 0 | 100 |
| | | | | | | | | 701 | 100 | 100 | 0 | 0 | 100 |
| | | | | | | | | Mean = | 44 | 61 | 0 | 6 | 66 |

Purdue University

| Weed Code | | | | | | | | | STEME | TRFRE | FESSS | FESSS | RUMCR |
|--------------------|--|---------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % |
| Rating Unit | | | | | | | | | %control | %control | %injury | %injury | %control |
| Rating Date | | | | | | | | | 15/Apr/2005 | 15/Apr/2005 | 15/Apr/2005 | 27/Apr/2005 | 27/Apr/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 8-12" | 2-6" | 6-18" | 8-22" | 4-30" |
| Weed Density, Unit | | | | | | | | | 4 YD2 | spoty | 500 YD2 | 500 YD2 | 2-5 plot |
| Assessed By | | | | | | | | | RD+VMD | RD+VMD | RD+VMD | RD+VMD | RD+VMD |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 21 | 22 | 23 | 24 | 25 |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | 0 | 0 | 0 | | |
| | | | | | | | | 405 | 0 | 100 | 0 | | |
| | | | | | | | | 511 | 90 | 100 | 0 | | |
| | | | | | | | | 809 | 100 | 20 | 0 | | |
| | | | | | | | | Mean = | 48 | 55 | 0 | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 45 | 25 | 0 | 0 | 85 |
| | | | | | | | | 301 | 0 | 100 | 0 | 5 | 90 |
| | | | | | | | | 608 | 50 | 100 | 0 | 5 | 100 |
| | | | | | | | | 810 | 95 | 100 | 0 | 0 | 100 |
| | | | | | | | | Mean = | 48 | 81 | 0 | 3 | 94 |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | 0 | 100 | 0 | | |
| | | | | | | | | 407 | 20 | 100 | 0 | | |
| | | | | | | | | 503 | 0 | 100 | 0 | | |
| | | | | | | | | 707 | 100 | 100 | 0 | | |
| | | | | | | | | Mean = | 30 | 100 | 0 | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 0 | 100 | 0 | 15 | 30 |
| | | | | | | | | 410 | 100 | 100 | 0 | 0 | 100 |
| | | | | | | | | 504 | 0 | 100 | 0 | 5 | 30 |
| | | | | | | | | 811 | 80 | 100 | 0 | 15 | 100 |
| | | | | | | | | Mean = | 45 | 100 | 0 | 9 | 65 |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | 100 | 100 | 0 | | |
| | | | | | | | | 306 | 100 | 100 | 0 | | |
| | | | | | | | | 602 | 100 | 100 | 0 | | |
| | | | | | | | | 711 | 90 | 20 | 0 | | |
| | | | | | | | | Mean = | 98 | 80 | 0 | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 50 | 100 | 0 | 10 | 80 |
| | | | | | | | | 309 | 20 | 100 | 0 | 30 | 100 |
| | | | | | | | | 605 | 0 | 100 | 0 | 30 | 60 |
| | | | | | | | | 801 | 90 | 100 | 0 | 15 | 100 |
| | | | | | | | | Mean = | 40 | 100 | 0 | 21 | 85 |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | 100 | 100 | 0 | | |
| | | | | | | | | 310 | 100 | 100 | 0 | | |
| | | | | | | | | 603 | 100 | 20 | 0 | | |
| | | | | | | | | 804 | 100 | 20 | 0 | | |
| | | | | | | | | Mean = | 100 | 60 | 0 | | |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 30 | 100 | 0 | 20 | 70 |
| | | | | | | | | 311 | 80 | 100 | 0 | 20 | 100 |
| | | | | | | | | 610 | 100 | 100 | 0 | 30 | 100 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 710 | 75 | 100 | 0 | 25 | 100 |
| | | | | | | | | Mean = | 71 | 100 | 0 | 24 | 93 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | 90 | 100 | 0 | | |
| | | | | | | | | 403 | 81* | 51* | 0 | | |
| | | | | | | | | 611 | 85 | 20 | 0 | | |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 708 | 100 | 20 | 0 | | |
| | | | | | | | | Mean = | 89 | 48 | 0 | | |

Purdue University

| Weed Code | | | | | | | | | STEME | TRFRE | FESSS | FESSS | RUMCR |
|--------------------|--------------------|---------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % |
| Rating Unit | | | | | | | | | %control | %control | %injury | %injury | %control |
| Rating Date | | | | | | | | | 15/Apr/2005 | 15/Apr/2005 | 15/Apr/2005 | 27/Apr/2005 | 27/Apr/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 8-12" | 2-6" | 6-18" | 8-22" | 4-30" |
| Weed Density, Unit | | | | | | | | | 4 YD2 | spoty | 500 YD2 | 500 YD2 | 2-5 plot |
| Assessed By | | | | | | | | | RD+VMD | RD+VMD | RD+VMD | RD+VMD | RD+VMD |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 21 | 22 | 23 | 24 | 25 |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 0 | 100 | 0 | 10 | 50 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 80 | 100 | 0 | 8 | 100 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 35 | 100 | 0 | 15 | 75 |
| | | | | | | | | 703 | 95 | 100 | 0 | 15 | 100 |
| | | | | | | | | Mean = | 53 | 100 | 0 | 12 | 81 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | 75 | 100 | 0 | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | 100 | 50 | 0 | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | 100 | 20 | 0 | | |
| | | | | | | | | 806 | 100 | 20 | 0 | | |
| | | | | | | | | Mean = | 94 | 48 | 0 | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 0 | 100 | 0 | 5 | 75 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 0 | 100 | 0 | 5 | 100 |
| | | | | | | | | 507 | 60 | 100 | 0 | 5 | 25 |
| | | | | | | | | 808 | 95 | 100 | 0 | 15 | 50 |
| | | | | | | | | Mean = | 39 | 100 | 0 | 8 | 63 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | 0 | 100 | 0 | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | 70 | 100 | 0 | | |
| | | | | | | | | 604 | 100 | 100 | 0 | | |
| | | | | | | | | 803 | 100 | 100 | 0 | | |
| | | | | | | | | Mean = | 68 | 100 | 0 | . | . |

Purdue University

| Weed Code | | | | | | | | | TRFRE | STEME | FESSS | RUMCR | TRFRE |
|--------------------|------------------------------|------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % |
| Rating Unit | | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Date | | | | | | | | | 27/Apr/2005 | 27/Apr/2005 | 11/May/2005 | 11/May/2005 | 11/May/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 4-8" | 8-16" | | | |
| Weed Density, Unit | | | | | | | | | spoty | 4 YD2 | 500 YD2 | <1 YD2 | 200 YD2 |
| Assessed By | | | | | | | | | RD+VMD | RD+VMD | WGJ | WGJ | WGJ |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 26 | 27 | 28 | 29 | 30 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 100 | 40 | 0 | 60 | 100 |
| | | | | | | | | 304 | 100 | 20 | 0 | 60 | 100 |
| | | | | | | | | 606 | 20 | 20 | 0 | 100 | 100 |
| | | | | | | | | 705 | 100 | 100 | 0 | 100 | 100 |
| | | | | | | | | Mean = | 80 | 45 | 0 | 80 | 100 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | | | 0 | 60 | 100 |
| | | | | | | | | 305 | | | 0 | 40 | 70 |
| | | | | | | | | 601 | | | 0 | 100 | 100 |
| | | | | | | | | 805 | | | 0 | 70 | 80 |
| | | | | | | | | Mean = | . | . | 0 | 68 | 88 |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 100 | 45 | 0 | 100 | 100 |
| | | | | | | | | 308 | 100 | 30 | 0 | 100 | 100 |
| | | | | | | | | 506 | 35 | 35 | 0 | 100 | 100 |
| | | | | | | | | 807 | 100 | 100 | 10 | 100 | 100 |
| | | | | | | | | Mean = | 84 | 53 | 3 | 100 | 100 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | | | 0 | 70 | 60 |
| | | | | | | | | 401 | | | 0 | 100 | 30 |
| | | | | | | | | 502 | | | 0 | 20 | 50 |
| | | | | | | | | 704 | | | 0 | 90 | 70 |
| | | | | | | | | Mean = | . | . | 0 | 70 | 53 |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 100 | 45 | 0 | 100 | 100 |
| | | | | | | | | 411 | 100 | 15 | 0 | 100 | 100 |
| | | | | | | | | 609 | 70 | 70 | 0 | 100 | 100 |
| | | | | | | | | 706 | 100 | 30 | 0 | 100 | 100 |
| | | | | | | | | Mean = | 93 | 40 | 0 | 100 | 100 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | | | 0 | 30 | 100 |
| | | | | | | | | 408 | | | 0 | 100 | 90 |
| | | | | | | | | 505 | | | 0 | 30 | 80 |
| | | | | | | | | 709 | | | 0 | 100 | 60 |
| | | | | | | | | Mean = | . | . | 0 | 65 | 83 |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 100 | 40 | 0 | 80 | 100 |
| | | | | | | | | 404 | 100 | 60 | 0 | 95 | 100 |
| | | | | | | | | 501 | 100 | 60 | 0 | 100 | 100 |
| | | | | | | | | 802 | 100 | 100 | 20 | 100 | 100 |
| | | | | | | | | Mean = | 100 | 65 | 5 | 94 | 100 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | | | 0 | 30 | 100 |
| | | | | | | | | 303 | | | 0 | 100 | 100 |
| | | | | | | | | 510 | | | 0 | 100 | 70 |
| | | | | | | | | 702 | | | 0 | 100 | 80 |
| | | | | | | | | Mean = | . | . | 0 | 83 | 88 |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 30 | 60 | 0 | 50 | 45 |
| | | | | | | | | 302 | 5 | 40 | 0 | 30 | 10 |
| | | | | | | | | 508 | 10 | 10 | 0 | 100 | 100 |
| | | | | | | | | 701 | 100 | 100 | 0 | 100 | 100 |
| | | | | | | | | Mean = | 36 | 53 | 0 | 70 | 64 |

Purdue University

| Weed Code | | | | | | | | | TRFRE | STEME | FESSS | RUMCR | TRFRE |
|--------------------|--------------------------------------|---------|---------|--------------|-------------------|----------|-----------|--------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % |
| Rating Unit | | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Date | | | | | | | | | 27/Apr/2005 | 27/Apr/2005 | 11/May/2005 | 11/May/2005 | 11/May/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 4-8" | 8-16" | | | |
| Weed Density, Unit | | | | | | | | | spoty | 4 YD2 | 500 YD2 | <1 YD2 | 200 YD2 |
| Assessed By | | | | | | | | | RD+VMD | RD+VMD | WGJ | WGJ | WGJ |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 26 | 27 | 28 | 29 | 30 |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | | | 0 | 30 | 20 |
| | | | | 0.25 | % v/v | FALL | B | 405 | | | 0 | 100 | 80 |
| | | | | | | | | 511 | | | 10 | 100 | 70 |
| | | | | | | | | 809 | | | 0 | 100 | 50 |
| | | | | | | | | Mean = | . | . | 3 | 83 | 55 |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 100 | 35 | 0 | 90 | 100 |
| | | | | 0.25 | % v/v | SPRING | A | 301 | 100 | 50 | 0 | 95 | 100 |
| | | | | | | | | 608 | 35 | 35 | 0 | 100 | 100 |
| | | | | | | | | 810 | 100 | 100 | 0 | 100 | 100 |
| | | | | | | | | Mean = | 84 | 55 | 0 | 96 | 100 |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | | | 0 | 100 | 100 |
| | | | | 0.25 | % v/v | FALL | B | 407 | | | 0 | 100 | 100 |
| | | | | | | | | 503 | | | 0 | 50 | 50 |
| | | | | | | | | 707 | | | 0 | 70 | 50 |
| | | | | | | | | Mean = | . | . | 0 | 80 | 75 |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 100 | 45 | 15 | 95 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 410 | 100 | 100 | 0 | 100 | 100 |
| | | | | | | | | 504 | 50 | 50 | 0 | 50 | 100 |
| | | | | | | | | 811 | 100 | 50 | 15 | 100 | 100 |
| | | | | | | | | Mean = | 88 | 61 | 8 | 86 | 100 |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | | | 0 | 100 | 80 |
| | | | | 0.125 | % v/v | FALL | B | 306 | | | 0 | 100 | 70 |
| | | | | | | | | 602 | | | 20 | 100 | 60 |
| | | | | | | | | 711 | | | 0 | 100 | 80 |
| | | | | | | | | Mean = | . | . | 5 | 100 | 73 |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 100 | 60 | 15 | 98 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 309 | 100 | 35 | 25 | 100 | 100 |
| | | | | | | | | 605 | 40 | 40 | 35 | 90 | 100 |
| | | | | | | | | 801 | 100 | 100 | 40 | 100 | 100 |
| | | | | | | | | Mean = | 85 | 59 | 29 | 97 | 100 |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | | | 0 | 90 | 100 |
| | | | | 0.125 | % v/v | FALL | B | 310 | | | 0 | 100 | 30 |
| | | | | | | | | 603 | | | 0 | 100 | 40 |
| | | | | | | | | 804 | | | 20 | 100 | 50 |
| | | | | | | | | Mean = | . | . | 5 | 98 | 55 |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 100 | 50 | 20 | 95 | 100 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 311 | 100 | 60 | 25 | 100 | 100 |
| | | | | 0.125 | % v/v | SPRING | A | 610 | 100 | 100 | 25 | 100 | 100 |
| | | | | | | | | 710 | 100 | 50 | 40 | 100 | 100 |
| | | | | | | | | Mean = | 100 | 65 | 28 | 99 | 100 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | 0 | 100 | 95 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | | | -3* | 104* | 82* |
| | | | | 0.125 | % v/v | FALL | B | 611 | | | 0 | 100 | 60 |
| | | | | | | | | 708 | | | 0 | 100 | 100 |
| | | | | | | | | Mean = | . | . | -1 | 101 | 84 |

Purdue University

| Weed Code | | | | | | | | | TRFRE | STEME | FESSS | RUMCR | TRFRE |
|--------------------|--------------------|---------|---------|---------|-----------|--------|------|------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % |
| Rating Unit | | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Date | | | | | | | | | 27/Apr/2005 | 27/Apr/2005 | 11/May/2005 | 11/May/2005 | 11/May/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 4-8" | 8-16" | | | |
| Weed Density, Unit | | | | | | | | | spoty | 4 YD2 | 500 YD2 | <1 YD2 | 200 YD2 |
| Assessed By | | | | | | | | | RD+VMD | RD+VMD | WGJ | WGJ | WGJ |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri | Treatment | Rate | Unit | Product | Product | Grow | Appl | Plot | 26 | 27 | 28 | 29 | 30 |
| No. | Name | | | Rate | Rate Unit | Stg | Code | | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 100 | 60 | 15 | 95 | 100 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 100 | 40 | 15 | 100 | 100 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 30 | 30 | 15 | 100 | 100 |
| | | | | | | | | 703 | 100 | 100 | 20 | 100 | 100 |
| | | Mean = | | | | | | | 83 | 58 | 16 | 99 | 100 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | 0 | 98 | 30 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | 0 | 100 | 60 |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | 0 | 100 | 70 |
| | | | | | | | | 806 | | | 0 | 100 | 80 |
| | | Mean = | | | | | | | . | . | 0 | 100 | 60 |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 100 | 70 | 30 | 85 | 95 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 100 | 50 | 20 | 100 | 100 |
| | | | | | | | | 507 | 40 | 40 | 25 | 100 | 100 |
| | | | | | | | | 808 | 100 | 50 | 30 | 100 | 100 |
| | | Mean = | | | | | | | 85 | 53 | 26 | 96 | 99 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | 0 | 100 | 30 |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | -3* | 87* | 40* |
| | | | | | | | | 604 | | | 0 | 50 | 50 |
| | | | | | | | | 803 | | | 0 | 100 | 50 |
| | | Mean = | | | | | | | . | . | -1 | 84 | 43 |

Purdue University

| Weed Code | | | | | | | | | STEME | FESS | RUMCR | TRFRE | STEME | VENBA |
|--------------------|------------------------------|------|---------|--------------|-------------------|----------|-----------|--------|-------------|------------|------------|------------|------------|------------|
| Crop Code | | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | | %control | %injury | %control | %control | %control | %control |
| Rating Date | | | | | | | | | 11/May/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 |
| Crop Stage | | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | 8-12" | | | | 2-6" |
| Weed Density, Unit | | | | | | | | | 30 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | 30 YD2 | 1 YD2 |
| Assessed By | | | | | | | | | WGJ | EC | EC | EC | EC | EC |
| Tri-Eval Interval | | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 31 | 32 | 33 | 34 | 35 | 36 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 100 | 0 | 30 | 100 | 95 | 100 |
| | | | | | | | | 304 | 50 | 0 | 100 | 100 | 100 | 50 |
| | | | | | | | | 606 | 90 | 0 | 100 | 100 | 100 | 70 |
| | | | | | | | | 705 | 100 | 0 | 100 | 100 | 100 | 90 |
| | | | | | | | | Mean = | 85 | 0 | 83 | 100 | 99 | 78 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | 100 | | | | | |
| | | | | | | | | 305 | 0 | | | | | |
| | | | | | | | | 601 | 100 | | | | | |
| | | | | | | | | 805 | 100 | | | | | |
| | | | | | | | | Mean = | 75 | . | . | . | . | . |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 100 | 0 | 100 | 95 | 100 | 70 |
| | | | | | | | | 308 | 40 | 0 | 100 | 100 | 0 | 70 |
| | | | | | | | | 506 | 20 | 0 | 100 | 100 | 90 | 100 |
| | | | | | | | | 807 | 100 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | Mean = | 65 | 0 | 100 | 99 | 73 | 85 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | 100 | | | | | |
| | | | | | | | | 401 | 30 | | | | | |
| | | | | | | | | 502 | 0 | | | | | |
| | | | | | | | | 704 | 100 | | | | | |
| | | | | | | | | Mean = | 58 | . | . | . | . | . |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 100 | 0 | 100 | 100 | 95 | 100 |
| | | | | | | | | 411 | 100 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | 609 | 100 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | 706 | 90 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | Mean = | 98 | 0 | 100 | 100 | 99 | 100 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | 30 | | | | | |
| | | | | | | | | 408 | 70 | | | | | |
| | | | | | | | | 505 | 50 | | | | | |
| | | | | | | | | 709 | 100 | | | | | |
| | | | | | | | | Mean = | 63 | . | . | . | . | . |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 100 | 0 | 80 | 100 | 95 | 50 |
| | | | | | | | | 404 | 80 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | 501 | 85 | 0 | 100 | 100 | 100 | 95 |
| | | | | | | | | 802 | 100 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | Mean = | 91 | 0 | 95 | 100 | 99 | 86 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | 0 | | | | | |
| | | | | | | | | 303 | 100 | | | | | |
| | | | | | | | | 510 | 65 | | | | | |
| | | | | | | | | 702 | 100 | | | | | |
| | | | | | | | | Mean = | 66 | . | . | . | . | . |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 50 | 0 | 85 | 20 | 0 | 80 |
| | | | | | | | | 302 | 0 | 10 | 0 | 50 | 20 | 100 |
| | | | | | | | | 508 | 0 | 0 | 100 | 100 | 100 | 100 |
| | | | | | | | | 701 | 100 | 0 | 100 | 100 | 100 | 95 |
| | | | | | | | | Mean = | 38 | 3 | 71 | 68 | 55 | 94 |

Purdue University

| Weed Code | | | | | | | | | STEME | FESS | RUMCR | TRFRE | STEME | VENBA | | | | | |
|--------------------|--------------------------------------|---------|---------|--------------|-------------------|----------|-----------|--------|-------------|------------|------------|------------|------------|------------|-----|----|-----|-----|-----|
| Crop Code | | | | | | | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % | | | | | |
| Rating Unit | | | | | | | | | %control | %injury | %control | %control | %control | %control | | | | | |
| Rating Date | | | | | | | | | 11/May/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | | | | | |
| Crop Stage | | | | | | | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | 8-12" | | | | 2-6" | | | | | |
| Weed Density, Unit | | | | | | | | | 30 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | 30 YD2 | 1 YD2 | | | | | |
| Assessed By | | | | | | | | | WGJ | EC | EC | EC | EC | EC | | | | | |
| Tri-Eval Interval | | | | | | | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 31 | 32 | 33 | 34 | 35 | 36 | | | | | |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | 0 | | | | | | | | | | |
| | | | | | | | | 405 | 0 | | | | | | | | | | |
| | | | | | | | | 511 | 50 | | | | | | | | | | |
| | | | | | | | | 809 | 100 | | | | | | | | | | |
| | | | | | | | | Mean = | | | | | | | | 38 | . | . | . |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 30 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | 301 | 70 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | 608 | 50 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | 810 | 100 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | Mean = | | | | | | | | 63 | 0 | 100 | 100 |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | 0 | | | | | | | | | | |
| | | | | | | | | 407 | 20 | | | | | | | | | | |
| | | | | | | | | 503 | 0 | | | | | | | | | | |
| | | | | | | | | 707 | 100 | | | | | | | | | | |
| | | | | | | | | Mean = | | | | | | | | 30 | . | . | . |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 100 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | 410 | 100 | 0 | 100 | 100 | 100 | 30 | | | | | |
| | | | | | | | | 504 | 85 | 0 | 90 | 100 | 100 | 90 | | | | | |
| | | | | | | | | 811 | 100 | 0 | 100 | 100 | 100 | 0 | | | | | |
| | | | | | | | | Mean = | | | | | | | | 96 | 0 | 98 | 100 |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | 90 | | | | | | | | | | |
| | | | | | | | | 306 | 95 | | | | | | | | | | |
| | | | | | | | | 602 | 95 | | | | | | | | | | |
| | | | | | | | | 711 | 100 | | | | | | | | | | |
| | | | | | | | | Mean = | | | | | | | | 95 | . | . | . |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 100 | 0 | 100 | 100 | 100 | 0 | | | | | |
| | | | | | | | | 309 | 95 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | 605 | 90 | 0 | 100 | 100 | 100 | 25 | | | | | |
| | | | | | | | | 801 | 100 | 0 | 100 | 100 | 100 | 100 | | | | | |
| | | | | | | | | Mean = | | | | | | | | 96 | 0 | 100 | 100 |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | 70 | | | | | | | | | | |
| | | | | | | | | 310 | 100 | | | | | | | | | | |
| | | | | | | | | 603 | 90 | | | | | | | | | | |
| | | | | | | | | 804 | 100 | | | | | | | | | | |
| | | | | | | | | Mean = | | | | | | | | 90 | . | . | . |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 100 | 0 | 100 | 100 | 100 | 80 | | | | | |
| | | | | | | | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 311 | 100 | 0 | 100 | 100 | 100 |
| | | | | | | | | | | | | | | 610 | 100 | 0 | 100 | 100 | 100 |
| | | 710 | 100 | 0 | 100 | 100 | 100 | 70 | | | | | | | | | | | |
| | | | | | | | | | Mean = | | | | | | | | 100 | 0 | 100 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | 70 | | | | | | | | | | |
| | | | | | | | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | 69* | | | | |
| | | | | | | | | | | | | | | 611 | 90 | 90 | 90 | 90 | 90 |
| | | 708 | 90 | 90 | 90 | 90 | 90 | | | | | | | | | | | | |
| | | | | | | | | Mean = | | | | | | | | 80 | . | . | . |

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| Weed Code | | | | | | | | | STEME | FESS | RUMCR | TRFRE | STEME | VENBA |
|--------------------|--------------------|---------|---------|---------|-----------|--------|------|------|-------------|------------|------------|------------|------------|------------|
| Crop Code | | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % | % | % | % |
| Rating Unit | | | | | | | | | %control | %injury | %control | %control | %control | %control |
| Rating Date | | | | | | | | | 11/May/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 |
| Crop Stage | | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | | | 8-12" | | | | 2-6" |
| Weed Density, Unit | | | | | | | | | 30 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | 30 YD2 | 1 YD2 |
| Assessed By | | | | | | | | | WGJ | EC | EC | EC | EC | EC |
| Tri-Eval Interval | | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | | |
| Tri | Treatment | Rate | Unit | Product | Product | Grow | Appl | Plot | 31 | 32 | 33 | 34 | 35 | 36 |
| No. | Name | | | Rate | Rate Unit | Stg | Code | | | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 98 | 0 | 100 | 100 | 100 | 100 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 100 | 0 | 100 | 100 | 100 | 100 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 80 | 0 | 100 | 100 | 100 | 60 |
| | | | | | | | | 703 | 100 | 0 | 100 | 100 | 100 | 95 |
| | Mean = | | | | | | | | 95 | 0 | 100 | 100 | 100 | 89 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | 90 | | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | 90 | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | 98 | | | | | |
| | | | | | | | | 806 | 100 | | | | | |
| | Mean = | | | | | | | | 95 | . | . | . | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 95 | 0 | 100 | 95 | 70 | 50 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 60 | 0 | 100 | 100 | 100 | 95 |
| | | | | | | | | 507 | 60 | 0 | 100 | 90 | 100 | 100 |
| | | | | | | | | 808 | 100 | 0 | 100 | 100 | 100 | 75 |
| | Mean = | | | | | | | | 79 | 0 | 100 | 96 | 93 | 80 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | 0 | | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | 51* | | | | | |
| | | | | | | | | 604 | 95 | | | | | |
| | | | | | | | | 803 | 100 | | | | | |
| | Mean = | | | | | | | | 61 | . | . | . | . | . |

Purdue University

| Weed Code | | | | | | | | | SOLCA | VENBA | SOLCA |
|--------------------|------------------------------|------|-----------|--------------|-------------------|----------|-----------|--------|------------|-------------|-------------|
| Crop Code | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % |
| Rating Unit | | | | | | | | | %control | %control | %control |
| Rating Date | | | | | | | | | 8/Jun/2005 | 14/Jul/2005 | 14/Jul/2005 |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 2-6" | 6-10" | 6-10" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | 1 YD2 | 1-5 YD2 |
| Assessed By | | | | | | | | | EC | EC | EC |
| Tri-Eval Interval | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 37 | 38 | 39 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | SPRING | A | 101 | 100 | 100 | 80 |
| | | | | | | | | 304 | 70 | 20 | 75 |
| | | | | | | | | 606 | 70 | 75 | 0 |
| | | | | | | | | 705 | 60 | 90 | 20 |
| | | | | | | | | Mean = | 75 | 71 | 44 |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a | FALL | B | 102 | | | |
| | | | | | | | | 305 | | | |
| | | | | | | | | 601 | | | |
| | | | | | | | | 805 | | | |
| | | | | | | | | Mean = | . | . | . |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | SPRING | A | 103 | 100 | 80 | 95 |
| | | | | | | | | 308 | 40 | 50 | 80 |
| | | | | | | | | 506 | 50 | 75 | 25 |
| | | | | | | | | 807 | 70 | 100 | 50 |
| | | | | | | | | Mean = | 65 | 76 | 63 |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a | FALL | B | 104 | | | |
| | | | | | | | | 401 | | | |
| | | | | | | | | 502 | | | |
| | | | | | | | | 704 | | | |
| | | | | | | | | Mean = | . | . | . |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | SPRING | A | 105 | 100 | 100 | 80 |
| | | | | | | | | 411 | 40 | 100 | 25 |
| | | | | | | | | 609 | 90 | 100 | 75 |
| | | | | | | | | 706 | 100 | 100 | 30 |
| | | | | | | | | Mean = | 83 | 100 | 53 |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a | FALL | B | 106 | | | |
| | | | | | | | | 408 | | | |
| | | | | | | | | 505 | | | |
| | | | | | | | | 709 | | | |
| | | | | | | | | Mean = | . | . | . |
| 7 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | SPRING | A | 107 | 90 | 20 | 70 |
| | | | | | | | | 404 | 0 | 100 | 20 |
| | | | | | | | | 501 | 50 | 100 | 30 |
| | | | | | | | | 802 | 100 | 100 | 95 |
| | | | | | | | | Mean = | 60 | 80 | 54 |
| 8 | Banvel 2,4-D Ester NIS | 0.5 | lb ae/a | 1 | pt/a | FALL | B | 108 | | | |
| | | | | | | | | 303 | | | |
| | | | | | | | | 510 | | | |
| | | | | | | | | 702 | | | |
| | | | | | | | | Mean = | . | . | . |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | SPRING | A | 109 | 0 | 100 | 20 |
| | | | | | | | | 302 | 0 | 100 | 20 |
| | | | | | | | | 508 | 0 | 100 | 85 |
| | | | | | | | | 701 | 90 | 100 | 90 |
| | | | | | | | | Mean = | 23 | 100 | 54 |

Purdue University

| Weed Code | | | | | | | | | SOLCA | VENBA | SOLCA |
|--------------------|--------------------------------------|---------|---------|--------------|-------------------|----------|-----------|--------|------------|-------------|-------------|
| Crop Code | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | % | % | % |
| Rating Unit | | | | | | | | | %control | %control | %control |
| Rating Date | | | | | | | | | 8/Jun/2005 | 14/Jul/2005 | 14/Jul/2005 |
| Crop Stage | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | | 2-6" | 6-10" | 6-10" |
| Weed Density, Unit | | | | | | | | | 1-5 YD2 | 1 YD2 | 1-5 YD2 |
| Assessed By | | | | | | | | | EC | EC | EC |
| Tri-Eval Interval | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 37 | 38 | 39 |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a | FALL | B | 110 | | | |
| | | | | 0.25 | % v/v | FALL | B | 405 | | | |
| | | | | | | | | 511 | | | |
| | | | | | | | | 809 | | | |
| | | | | | | | | Mean = | . | . | . |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | SPRING | A | 111 | 100 | 100 | 100 |
| | | | | 0.25 | % v/v | SPRING | A | 301 | 100 | 100 | 85 |
| | | | | | | | | 608 | 100 | 100 | 100 |
| | | | | | | | | 810 | 100 | 95 | 100 |
| | | | | | | | | Mean = | 100 | 99 | 96 |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a | FALL | B | 201 | | | |
| | | | | 0.25 | % v/v | FALL | B | 407 | | | |
| | | | | | | | | 503 | | | |
| | | | | | | | | 707 | | | |
| | | | | | | | | Mean = | . | . | . |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 202 | 0 | 100 | 25 |
| | | | | 0.125 | % v/v | SPRING | A | 410 | 20 | 20 | 20 |
| | | | | | | | | 504 | 25 | 100 | 40 |
| | | | | | | | | 811 | 0 | 20 | 20 |
| | | | | | | | | Mean = | 11 | 60 | 26 |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 203 | | | |
| | | | | 0.125 | % v/v | FALL | B | 306 | | | |
| | | | | | | | | 602 | | | |
| | | | | | | | | 711 | | | |
| | | | | | | | | Mean = | . | . | . |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | SPRING | A | 204 | 0 | 20 | 50 |
| | | | | 0.125 | % v/v | SPRING | A | 309 | 0 | 100 | 20 |
| | | | | | | | | 605 | 0 | 100 | 10 |
| | | | | | | | | 801 | 50 | 100 | 60 |
| | | | | | | | | Mean = | 13 | 80 | 35 |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a | FALL | B | 205 | | | |
| | | | | 0.125 | % v/v | FALL | B | 310 | | | |
| | | | | | | | | 603 | | | |
| | | | | | | | | 804 | | | |
| | | | | | | | | Mean = | . | . | . |
| 17 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 206 | 0 | 80 | 0 |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | 311 | 25 | 100 | 30 |
| | | | | 0.125 | % v/v | SPRING | A | 610 | 0 | 100 | 0 |
| | | | | | | | | 710 | 25 | 100 | 30 |
| | | | | | | | | Mean = | 13 | 95 | 15 |
| 18 | Cimarron (Ally XP) Telar (Glean) NIS | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 207 | | | |
| | | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | 403 | | | |
| | | | | 0.125 | % v/v | FALL | B | 611 | | | |
| | | | | | | | | 708 | | | |
| | | | | | | | | Mean = | . | . | . |

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| | | | | | | | | | SOLCA | VENBA | SOLCA |
|---------|--------------------|---------|---------|--------------|-------------------|----------|-----------|--------|------------|-------------|-------------|
| | | | | | | | | | % | % | % |
| | | | | | | | | | %control | %control | %control |
| | | | | | | | | | 8/Jun/2005 | 14/Jul/2005 | 14/Jul/2005 |
| | | | | | | | | | 2-6" | 6-10" | 6-10" |
| | | | | | | | | | 1-5 YD2 | 1 YD2 | 1-5 YD2 |
| | | | | | | | | | EC | EC | EC |
| | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | Plot | 37 | 38 | 39 |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 208 | 0 | 100 | 0 |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | 409 | 10 | 100 | 70 |
| | NIS | | | 0.125 | % v/v | SPRING | A | 607 | 0 | 50 | 10 |
| | | | | | | | | 703 | 100 | 60 | 90 |
| | | | | | | | | Mean = | 28 | 78 | 43 |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 209 | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | 307 | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | 509 | | | |
| | | | | | | | | 806 | | | |
| | | | | | | | | Mean = | . | . | . |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 210 | 90 | 10 | 50 |
| | NIS | | | 0.25 | % v/v | SPRING | A | 406 | 60 | 100 | 50 |
| | | | | | | | | 507 | 90 | 100 | 60 |
| | | | | | | | | 808 | 50 | 50 | 50 |
| | | | | | | | | Mean = | 73 | 65 | 53 |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 211 | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | 402 | | | |
| | | | | | | | | 604 | | | |
| | | | | | | | | 803 | | | |
| | | | | | | | | Mean = | . | . | . |

Purdue University

Miscellaneous herbicide treatments in pastures

Trial ID: 04-FPAC-PASTURE
 Location: FPAC

Study Dir.: Vince Davis
 Investigator: Dr. Bill Johnson

| Weed Code | | | | | | | | FESSS | FESSS | TRFSS | VENBA | SOLCA |
|--------------------|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Crop Code | | | | | | | | plant | plant | plant | % | % |
| Part Rated | | | | | | | | % | % | % | %control | %control |
| Rating Data Type | | | | | | | | %injury | %injury | %injury | %control | %control |
| Rating Unit | | | | | | | | 10/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 |
| Rating Date | | | | | | | | 4-12" | 12-18" | na | | |
| Crop Stage | | | | | | | | veg | veg | veg | | |
| Crop Stage Scale | | | | | | | | | | | 12-24" | 8-12" |
| Weed Stage | | | | | | | | | | | 1 YD2 | 1-5 YD2 |
| Weed Density, Unit | | | | | | | | | | | | |
| Assessed By | | | | | | | | Earl & Reece |
| Trit-Eval Interval | | | | | | | | 15 DA-A | 29 DA-A | 29 DA-A | 29 DA-A | 29 DA-A |
| # Subsamples, Dec. | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 1 | 2 | 3 | 4 | 5 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 5 c-f | 0 b | 98 a | 81 a | 37 bcd |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 1 f | 1 b | 100 a | 55 a | 48 abc |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 3 ef | 0 b | 100 a | 89 a | 55 ab |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 10 bcd | 5 b | 100 a | 78 a | 83 a |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | | | | | |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 1 f | 0 b | 0 b | 90 a | 56 ab |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 4 def | 1 b | 98 a | 95 a | 83 a |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 12 bc | 4 b | 100 a | 46 a | 18 cd |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 13 b | 6 b | 100 a | 61 a | 23 bcd |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | | | | | |

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| Weed Code | | | | | | | FESSS | FESSS | TRFSS | VENBA | SOLCA | |
|--------------------|--------------------|---------|---------|---------|-----------|--------|--------------|--------------|--------------|--------------|--------------|--------|
| Crop Code | | | | | | | plant | plant | plant | % | % | |
| Part Rated | | | | | | | % | % | % | %control | %control | |
| Rating Data Type | | | | | | | %injury | %injury | %injury | %control | %control | |
| Rating Unit | | | | | | | 10/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | 24/Jun/2004 | |
| Rating Date | | | | | | | 4-12" | 12-18" | na | | | |
| Crop Stage | | | | | | | veg | veg | veg | | | |
| Crop Stage Scale | | | | | | | | | | 12-24" | 8-12" | |
| Weed Stage | | | | | | | | | | 1 YD2 | 1-5 YD2 | |
| Weed Density, Unit | | | | | | | | | | | | |
| Assessed By | | | | | | | Earl & Reece | |
| Tri-Eval Interval | | | | | | | 15 DA-A | 29 DA-A | 29 DA-A | 29 DA-A | 29 DA-A | |
| # Subsamples, Dec. | | | | | | | 0 | 0 | 0 | 0 | 0 | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | 1 | 2 | 3 | 4 | 5 | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | | | | | |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 21 a | 18 a | 100 a | 46 a | 8 d |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 8 b-f | 5 b | 100 a | 68 a | 30 bcd |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 9 b-e | 6 b | 99 a | 35 a | 28 bcd |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | | |
| LSD (P=.05) | | | | | | | 7.3 | 6.8 | 2.7 | 53.5 | 36.3 | |
| Standard Deviation | | | | | | | 5.1 | 4.7 | 1.8 | 37.0 | 25.1 | |
| CV | | | | | | | 64.47 | 111.81 | 2.03 | 54.61 | 59.24 | |
| Grand Mean | | | | | | | 7.84 | 4.2 | 90.43 | 67.69 | 42.38 | |
| Bartlett's X2 | | | | | | | 10.03 | 10.702 | 1.579 | 15.319 | 13.639 | |
| P(Bartlett's X2) | | | | | | | 0.438 | 0.152 | 0.454 | 0.121 | 0.19 | |
| Replicate F | | | | | | | 0.641 | 0.438 | 1.252 | 0.457 | 4.340 | |
| Replicate Prob(F) | | | | | | | 0.5945 | 0.7272 | 0.3092 | 0.7145 | 0.0121 | |
| Treatment F | | | | | | | 5.597 | 4.668 | 1066.421 | 1.218 | 3.953 | |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.0005 | 0.0001 | 0.3209 | 0.0018 | |

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.

Purdue University

| Weed Code | | | | | | | FESSS | TRFSS | VENBA | SOLCA | |
|--------------------|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|--------|
| Crop Code | | | | | | | plant | plant | % | % | |
| Part Rated | | | | | | | % | % | % | % | |
| Rating Data Type | | | | | | | %injury | %injury | %control | %control | |
| Rating Unit | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 | |
| Rating Date | | | | | | | 12-24" | na | | | |
| Crop Stage | | | | | | | | | 12-36" | 4-24" | |
| Crop Stage Scale | | | | | | | | | 1 YD2 | 1-5 YD2 | |
| Weed Stage | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | | | |
| Assessed By | | | | | | | Earl, Reece, & Vince | |
| Tri-Eval Interval | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A | 61 DA-A | |
| # Subsamples, Dec. | | | | | | | 0 | 0 | 0 | 0 | |
| Tri No. | Treatment Name | Rate | Product Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 6 | 7 | 8 | 9 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 0 a | 99 a | 58 a | 44 abc |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 0 a | 99 a | 80 a | 48 abc |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | | | | |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 0 a | 100 a | 94 a | 24 bcd |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | | | | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 0 a | 99 a | 83 a | 58 ab |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | | | | |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 0 a | 13 b | 93 a | 58 ab |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 0 a | 100 a | 93 a | 75 a |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 0 a | 100 a | 63 a | 14 cd |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 0 a | 100 a | 55 a | 18 bcd |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | | | | |

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| Weed Code | | | | | | | FESSS | TRFSS | VENBA | SOLCA | |
|--------------------|--------------------|---------|-----------|--------------|-------------------|----------|----------------------|----------------------|----------------------|----------------------|--------|
| Crop Code | | | | | | | plant | plant | | | |
| Part Rated | | | | | | | % | % | % | % | |
| Rating Data Type | | | | | | | %injury | %injury | %control | %control | |
| Rating Unit | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 | |
| Rating Date | | | | | | | 12-24" | na | | | |
| Crop Stage | | | | | | | | | 12-36" | 4-24" | |
| Crop Stage Scale | | | | | | | | | 1 YD2 | 1-5 YD2 | |
| Weed Stage | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | | | |
| Assessed By | | | | | | | Earl, Reece, & Vince | |
| Tri-Eval Interval | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A | 61 DA-A | |
| # Subsamples, Dec. | | | | | | | 0 | 0 | 0 | 0 | |
| Tri No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 6 | 7 | 8 | 9 |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 0 a | 100 a | 43 a | 0 d |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 0 a | 100 a | 73 a | 29 bcd |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 0 a | 96 a | 40 a | 0 d |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | |
| LSD (P=.05) | | | | | | | 0.0 | 11.2 | 54.4 | 42.0 | |
| Standard Deviation | | | | | | | 0.0 | 7.7 | 37.7 | 29.1 | |
| CV | | | | | | | 0.0 | 8.46 | 53.63 | 87.67 | |
| Grand Mean | | | | | | | 0.0 | 91.34 | 70.25 | 33.18 | |
| Bartlett's X2 | | | | | | | 0.0 | 31.232 | 24.174 | 3.982 | |
| P(Bartlett's X2) | | | | | | | . | 0.001* | 0.007* | 0.859 | |
| Replicate F | | | | | | | 0.000 | 0.879 | 0.259 | 4.288 | |
| Replicate Prob(F) | | | | | | | 1.0000 | 0.4632 | 0.8546 | 0.0124 | |
| Treatment F | | | | | | | 0.000 | 45.905 | 1.128 | 2.922 | |
| Treatment Prob(F) | | | | | | | 1.0000 | 0.0001 | 0.3751 | 0.0112 | |

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 | | | | | | | | AMASP | RUMCR | Misc. gr | FESSS |
|--------------------|------------------------------|--------------------------|--------------------------------|--------------------------------|----------------------------|-------------|--|----------------------|----------------------|----------------------|---------------|
| Crop Code | | | | | | | | | | | plant |
| Part Rated | | | | | | | | | | | % |
| Rating Data Type | | | | | | | | severity | % | severity | % |
| Rating Unit | | | | | | | | 0-4 | %control | 0-4 | %injury |
| Rating Date | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 | 27/Aug/2004 |
| Crop Stage | | | | | | | | | | | 24-36" |
| Crop Stage Scale | | | | | | | | | | | |
| Weed Stage | | | | | | | | 12-24" | 10-15" | misc | 500 YD2 |
| Weed Density, Unit | | | | | | | | | <1 YD2 | | |
| Assessed By | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince | Glenn & Reece |
| Tri-Eval Interval | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A | 93 DA-A |
| # Subsamples, Dec. | | | | | | | | 0 | 0 | 0 | 0 |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | | 10 | 11 | 12 | 13 |
| No. | Name | Unit | Rate | Rate | Stg | Code | | | | | |
| 1 | Curtail (ae) NIS | 0.89 lb ae/a | 3 pt/a 0.25 % v/v | 3 pt/a 0.25 % v/v | SPRING SPRING | A A | | 2 ab | 75 a | 2 a | 15 a |
| 2 | Curtail (ae) NIS | 0.89 lb ae/a | 3 pt/a 0.25 % v/v | 3 pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 3 | Curtail (ae) NIS | 1.19 lb ae/a | 4 pt/a 0.25 % v/v | 4 pt/a 0.25 % v/v | SPRING SPRING | A A | | 2 a | 100 a | 2 a | 0 a |
| 4 | Curtail (ae) NIS | 1.19 lb ae/a | 4 pt/a 0.25 % v/v | 4 pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 5 | Curtail (ae) NIS | 1.49 lb ae/a | 5 pt/a 0.25 % v/v | 5 pt/a 0.25 % v/v | SPRING SPRING | A A | | 1 bcd | 88 a | 1 a | 0 a |
| 6 | Curtail (ae) NIS | 1.49 lb ae/a | 5 pt/a 0.25 % v/v | 5 pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 lb ae/a 1 lb ae/a | 1 pt/a 2 pt/a 0.25 % v/v | 1 pt/a 2 pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | | 2 ab | 93 a | 2 a | 0 a |
| 8 | Banvel 2,4-D Ester NIS | 0.5 lb ae/a 1 lb ae/a | 1 pt/a 2 pt/a 0.25 % v/v | 1 pt/a 2 pt/a 0.25 % v/v | FALL FALL FALL | B B B | | | | | |
| 9 | 2,4-D Ester NIS | 1 lb ae/a | 2 pt/a 0.25 % v/v | 2 pt/a 0.25 % v/v | SPRING SPRING | A A | | 1 cd | 79 a | 1 a | 15 a |
| 10 | 2,4-D Ester NIS | 1 lb ae/a | 2 pt/a 0.25 % v/v | 2 pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 11 | Grazon P+D NIS | 0.95 lb ae/a | 3 pt/a 0.25 % v/v | 3 pt/a 0.25 % v/v | SPRING SPRING | A A | | 1 abc | 98 a | 2 a | 15 a |
| 12 | Grazon P+D NIS | 0.95 lb ae/a | 3 pt/a 0.25 % v/v | 3 pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 lb ai/a | 0.1 oz/a 0.125 % v/v | 0.1 oz/a 0.125 % v/v | SPRING SPRING | A A | | 2 ab | 73 a | 2 a | 0 a |
| 14 | Cimarron (Ally XP) NIS | 0.00375 lb ai/a | 0.1 oz/a 0.125 % v/v | 0.1 oz/a 0.125 % v/v | FALL FALL | B B | | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 lb ai/a | 0.2 oz/a 0.125 % v/v | 0.2 oz/a 0.125 % v/v | SPRING SPRING | A A | | 1 cd | 100 a | 1 a | 0 a |
| 16 | Cimarron (Ally XP) NIS | 0.0075 lb ai/a | 0.2 oz/a 0.125 % v/v | 0.2 oz/a 0.125 % v/v | FALL FALL | B B | | | | | |

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| | | | | | | | | AMASP | RUMCR | Misc. gr | FESSS |
|--------------------|--------------------|---------|---------|---------|-----------|--------|------|----------------------|----------------------|----------------------|---------------|
| | | | | | | | | severity | % | severity | plant |
| | | | | | | | | 0-4 | %control | 0-4 | % |
| | | | | | | | | 26/Jul/2004 | 26/Jul/2004 | 26/Jul/2004 | 27/Aug/2004 |
| | | | | | | | | 12-24" | 10-15" | misc | 24-36" |
| | | | | | | | | Earl, Reece, & Vince | Earl, Reece, & Vince | Earl, Reece, & Vince | Glenn & Reece |
| | | | | | | | | 61 DA-A | 61 DA-A | 61 DA-A | 93 DA-A |
| | | | | | | | | 0 | 0 | 0 | 0 |
| Trt | Treatment | Rate | Product | Product | Grow | Appl | | | | | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | 10 | 11 | 12 | 13 |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 0 d | 100 a | 2 a | 0 a |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 1 cd | 90 a | 2 a | 0 a |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 1 abc | 55 a | 2 a | 0 a |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | |
| LSD (P=.05) | | | | | | | | 1.1 | 40.0 | 1.5 | 20.2 |
| Standard Deviation | | | | | | | | 0.8 | 27.7 | 1.0 | 14.0 |
| CV | | | | | | | | 71.45 | 32.13 | 66.59 | 342.54 |
| Grand Mean | | | | | | | | 1.09 | 86.25 | 1.55 | 4.09 |
| Bartlett's X2 | | | | | | | | 8.162 | 14.541 | 5.79 | 0.0 |
| P(Bartlett's X2) | | | | | | | | 0.518 | 0.042* | 0.833 | 1.00 |
| Replicate F | | | | | | | | 7.282 | 1.794 | 2.117 | 3.750 |
| Replicate Prob(F) | | | | | | | | 0.0008 | 0.1695 | 0.1189 | 0.0212 |
| Treatment F | | | | | | | | 2.985 | 1.092 | 0.416 | 1.000 |
| Treatment Prob(F) | | | | | | | | 0.0099 | 0.3987 | 0.9277 | 0.4654 |

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.

Purdue University

| Weed Code | | | | | | | | TRFSS | VENBA | SOLCA | AMASP | RUMCR |
|--------------------|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|-------------|---------------|---------------|---------------|---------------|---------------|
| Crop Code | | | | | | | | plant | | | | |
| Part Rated | | | | | | | | % | % | % | % | % |
| Rating Data Type | | | | | | | | %injury | %control | %control | %control | %control |
| Rating Unit | | | | | | | | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 |
| Rating Date | | | | | | | | na | | | | |
| Crop Stage | | | | | | | | | 12-42" | 6-30" | 12-36" | 6-24" |
| Crop Stage Scale | | | | | | | | | 1 YD2 | 1-5 YD2 | 0-10YD2 | 1 YD2 |
| Weed Stage | | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | | | | |
| Assessed By | | | | | | | | Glenn & Reece |
| Tri-Eval Interval | | | | | | | | 93 DA-A |
| # Subsamples, Dec. | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| Tri No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 14 | 15 | 16 | 17 | 18 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 100 a | 71 a | 8 a | 20 c | 51 a |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 100 a | 40 a | 35 a | 10 c | 84 a |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 100 a | 90 a | 29 a | 48 abc | 81 a |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 95 a | 51 a | 18 a | 15 c | 59 a |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | | | | | |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 0 b | 73 a | 11 a | 73 a | 63 a |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 100 a | 70 a | 51 a | 23 bc | 74 a |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 98 a | 51 a | 0 a | 29 bc | 69 a |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 100 a | 45 a | 30 a | 60 ab | 91 a |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | | | | | |

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| Weed Code | | | | | | | TRFSS | VENBA | SOLCA | AMASP | RUMCR | |
|--------------------|--------------------|---------|---------|---------|-----------|--------|---------------|---------------|---------------|---------------|---------------|------|
| Crop Code | | | | | | | plant | | | | | |
| Part Rated | | | | | | | % | % | % | % | % | |
| Rating Data Type | | | | | | | %injury | %control | %control | %control | %control | |
| Rating Unit | | | | | | | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | 27/Aug/2004 | |
| Rating Date | | | | | | | na | | | | | |
| Crop Stage | | | | | | | | 12-42" | 6-30" | 12-36" | 6-24" | |
| Crop Stage Scale | | | | | | | | 1 YD2 | 1-5 YD2 | 0-10YD2 | 1 YD2 | |
| Weed Stage | | | | | | | | | | | | |
| Weed Density, Unit | | | | | | | | | | | | |
| Assessed By | | | | | | | Glenn & Reece | |
| Tri-Eval Interval | | | | | | | 93 DA-A | |
| # Subsamples, Dec. | | | | | | | 0 | 0 | 0 | 0 | 0 | |
| Tri | Treatment | Rate | Product | Product | Grow | Appl | 14 | 15 | 16 | 17 | 18 | |
| No. | Name | Rate | Unit | Rate | Rate Unit | Stg | Code | | | | | |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 100 a | 70 a | 16 a | 61 ab | 69 a |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 100 a | 63 a | 15 a | 31 bc | 93 a |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 98 a | 45 a | 0 a | 11 c | 23 a |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | | |
| LSD (P=.05) | | | | | | | 5.2 | 54.6 | 40.7 | 40.0 | 52.3 | |
| Standard Deviation | | | | | | | 3.6 | 37.7 | 28.2 | 27.7 | 36.2 | |
| CV | | | | | | | 4.03 | 62.15 | 145.82 | 80.19 | 52.73 | |
| Grand Mean | | | | | | | 90.0 | 60.71 | 19.32 | 34.55 | 68.64 | |
| Bartlett's X2 | | | | | | | 2.052 | 11.082 | 10.655 | 8.934 | 28.19 | |
| P(Bartlett's X2) | | | | | | | 0.358 | 0.351 | 0.222 | 0.538 | 0.002* | |
| Replicate F | | | | | | | 1.379 | 0.088 | 0.240 | 7.874 | 1.447 | |
| Replicate Prob(F) | | | | | | | 0.2681 | 0.9660 | 0.8680 | 0.0005 | 0.2487 | |
| Treatment F | | | | | | | 271.207 | 0.676 | 1.236 | 2.553 | 1.240 | |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.7373 | 0.3094 | 0.0230 | 0.3068 | |

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.

Purdue University

| Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Crop Stage Crop Stage Scale Weed Stage Weed Density, Unit Assessed By Tri-Eval Interval # Subsamples, Dec. | | | | | | | | Misc. gr | RUMCR | STEME | TRFRE | FESSS | FESSS |
|--|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|-------------|---------------------------------------|--------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|
| | | | | | | | | severity 0-4 27/Aug/2004 | % %control 15/Apr/2005 | % %control 15/Apr/2005 | % %control 15/Apr/2005 | % %injury 15/Apr/2005 | % %injury 27/Apr/2005 |
| | | | | | | | | misc Glenn & Reece 93 DA-A 0 | sedl-24" 2-5 plot RD+VMD | 8-12" 4 YD2 RD+VMD | 2-6" spoty RD+VMD | 6-18" 500 YD2 RD+VMD | 8-22" 500 YD2 RD+VMD |
| Tri No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 2 a | 63 a | 50 c-f | 100 a | 0 a | 5 c |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | 64 a | 59 a-f | 100 a | 0 a | |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 2 a | 95 a | 38 ef | 100 a | 0 a | 5 c |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | | 56 a | 53 b-f | 80 abc | 0 a | |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 2 a | 83 a | 71 a-e | 100 a | 0 a | 3 c |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | | 61 a | 43 ef | 88 ab | 0 a | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 2 a | 69 a | 25 f | 100 a | 0 a | 10 c |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | | 63 a | 73 a-e | 100 a | 0 a | |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 2 a | 50 a | 44 def | 61 bc | 0 a | 6 c |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | | 75 a | 48 def | 55 bc | 0 a | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 2 a | 60 a | 48 def | 81 abc | 0 a | 3 c |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | 91 a | 30 ef | 100 a | 0 a | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 2 a | 50 a | 45 def | 100 a | 0 a | 9 c |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | | 100 a | 98 ab | 80 abc | 0 a | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 1 a | 84 a | 40 ef | 100 a | 0 a | 21 ab |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | | 100 a | 100 a | 60 bc | 0 a | |

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| | | | | | | | Misc. gr | RUMCR | STEME | TRFRE | FESSS | FESSS | |
|--------------------|--------------------|---------|-----------|--------------|-------------------|----------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | severity | % | % | % | % | % | % |
| | | | | | | | 0-4 | %control | %control | %control | %injury | %injury | %injury |
| | | | | | | | 27/Aug/2004 | 15/Apr/2005 | 15/Apr/2005 | 15/Apr/2005 | 15/Apr/2005 | 15/Apr/2005 | 27/Apr/2005 |
| | | | | | | | misc | sedl-24" | 8-12" | 2-6" | 6-18" | 8-22" | |
| | | | | | | | | 2-5 plot | 4 YD2 | spoty | 500 YD2 | 500 YD2 | |
| | | | | | | | Glenn & Reece | RD+VMD | RD+VMD | RD+VMD | RD+VMD | RD+VMD | |
| | | | | | | | 93 DA-A | | | | | | |
| | | | | | | | 0 | | | | | | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 19 | 20 | 21 | 22 | 23 | 24 |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 2 a | 75 a | 71 a-e | 100 a | 0 a | 24 a |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | 101 a | 89 a-d | 48 c | 0 a | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 2 a | 79 a | 53 b-f | 100 a | 0 a | 12 bc |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | 100 a | 94 abc | 48 c | 0 a | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 1 a | 43 a | 39 ef | 100 a | 0 a | 8 c |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | 88 a | 68 a-f | 100 a | 0 a | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | | | |
| LSD (P=.05) | | | | | | | 1.4 | 47.2 | 46.0 | 37.0 | 0.0 | 9.8 | |
| Standard Deviation | | | | | | | 1.0 | 33.4 | 32.5 | 26.2 | 0.0 | 6.8 | |
| CV | | | | | | | 54.89 | 44.57 | 56.11 | 30.31 | 0.0 | 72.04 | |
| Grand Mean | | | | | | | 1.77 | 74.85 | 57.91 | 86.38 | 0.0 | 9.45 | |
| Bartlett's X2 | | | | | | | 8.033 | 20.263 | 20.848 | 1.729 | 0.0 | 12.692 | |
| P(Bartlett's X2) | | | | | | | 0.626 | 0.261 | 0.406 | 0.988 | . | 0.241 | |
| Replicate F | | | | | | | 0.032 | 5.441 | 14.436 | 1.199 | 0.000 | 0.212 | |
| Replicate Prob(F) | | | | | | | 0.9921 | 0.0022 | 0.0001 | 0.3177 | 1.0000 | 0.8875 | |
| Treatment F | | | | | | | 0.763 | 1.206 | 1.834 | 2.176 | 0.000 | 4.363 | |
| Treatment Prob(F) | | | | | | | 0.6618 | 0.2786 | 0.0342 | 0.0096 | 1.0000 | 0.0008 | |

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.

Purdue University

| Weed Code | | | | | | | RUMCR | TRFRE | STEME | FESSS | RUMCR | TRFRE | |
|--------------------|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | | | | | |
| Rating Unit | | | | | | | % | % | % | % | % | % | % |
| Rating Date | | | | | | | 27/Apr/2005 | 27/Apr/2005 | 27/Apr/2005 | 11/May/2005 | 11/May/2005 | 11/May/2005 | 11/May/2005 |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | 4-30" | 4-8" | 8-16" | | | | |
| Weed Density, Unit | | | | | | | 2-5 plot | spoty | 4 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | |
| Assessed By | | | | | | | RD+VMD | RD+VMD | RD+VMD | WGJ | WGJ | WGJ | |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 25 | 26 | 27 | 28 | 29 | 30 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 75 a | 80 a | 45 a | 0 d | 80 a | 100 a |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | 0 d | 68 a | 88 ab |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 100 a | 84 a | 53 a | 3 cd | 100 a | 100 a |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | | | | 0 d | 70 a | 53 de |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 91 a | 93 a | 40 a | 0 d | 100 a | 100 a |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | | | | 0 d | 65 a | 83 abc |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 81 a | 100 a | 65 a | 5 cd | 94 a | 100 a |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | | | | 0 d | 83 a | 88 ab |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 66 a | 36 b | 53 a | 0 d | 70 a | 64 b-e |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | | | | 3 cd | 83 a | 55 de |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 94 a | 84 a | 55 a | 0 d | 96 a | 100 a |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | | 0 d | 80 a | 75 a-d |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 65 a | 88 a | 61 a | 8 c | 86 a | 100 a |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | | | | 5 cd | 100 a | 73 bcd |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 85 a | 85 a | 59 a | 29 a | 97 a | 100 a |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | | | | 5 cd | 98 a | 55 de |

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| Weed Code | | | | | | | RUMCR | TRFRE | STEME | FESSS | RUMCR | TRFRE | |
|--------------------|--------------------|---------|-----------|--------------|-------------------|----------|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | % | % | % | % | % | % | |
| Rating Unit | | | | | | | %control | %injury | %injury | %injury | %control | %control | |
| Rating Date | | | | | | | 27/Apr/2005 | 27/Apr/2005 | 27/Apr/2005 | 11/May/2005 | 11/May/2005 | 11/May/2005 | |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | 4-30" | 4-8" | 8-16" | | | | |
| Weed Density, Unit | | | | | | | 2-5 plot | spoty | 4 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | |
| Assessed By | | | | | | | RD+VMD | RD+VMD | RD+VMD | WGJ | WGJ | WGJ | |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 25 | 26 | 27 | 28 | 29 | 30 |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 93 a | 100 a | 65 a | 28 a | 99 a | 100 a |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | -1 d | 101 a | 84 abc |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 81 a | 83 a | 58 a | 16 b | 99 a | 100 a |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | | 0 d | 100 a | 60 cde |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 63 a | 85 a | 53 a | 26 a | 96 a | 99 a |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | | | -1 d | 84 a | 43 e |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | | | |
| LSD (P=.05) | | | | | | | 32.2 | 26.4 | 35.8 | 7.3 | 29.1 | 25.0 | |
| Standard Deviation | | | | | | | 22.3 | 18.3 | 24.8 | 5.1 | 20.5 | 17.7 | |
| CV | | | | | | | 27.48 | 21.93 | 45.07 | 90.47 | 23.22 | 21.44 | |
| Grand Mean | | | | | | | 81.25 | 83.3 | 55.0 | 5.68 | 88.49 | 82.58 | |
| Bartlett's X2 | | | | | | | 10.067 | 3.539 | 4.11 | 8.891 | 65.835 | 20.853 | |
| P(Bartlett's X2) | | | | | | | 0.345 | 0.896 | 0.942 | 0.447 | 0.001* | 0.053 | |
| Replicate F | | | | | | | 4.835 | 18.512 | 5.075 | 4.536 | 2.775 | 0.284 | |
| Replicate Prob(F) | | | | | | | 0.0073 | 0.0001 | 0.0058 | 0.0062 | 0.0489 | 0.8365 | |
| Treatment F | | | | | | | 1.306 | 3.467 | 0.393 | 14.242 | 1.399 | 4.920 | |
| Treatment Prob(F) | | | | | | | 0.2718 | 0.0040 | 0.9397 | 0.0001 | 0.1552 | 0.0001 | |

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.

Purdue University

| Weed Code | | | | | | | STEME | FESS | RUMCR | TRFRE | STEME | VENBA | |
|--------------------|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|-------------|------------|------------|------------|------------|------------|-------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | % | % | % | % | % | % | |
| Rating Unit | | | | | | | %control | %injury | %control | %control | %control | %control | |
| Rating Date | | | | | | | 11/May/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | 8-12" | | | | 2-6" | |
| Weed Density, Unit | | | | | | | 30 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | 30 YD2 | 1 YD2 | |
| Assessed By | | | | | | | WGJ | EC | EC | EC | EC | EC | |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 31 | 32 | 33 | 34 | 35 | 36 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 85 ab | 0 a | 83 a | 100 a | 99 a | 78 a |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | 75 abc | | | | | |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 65 a-d | 0 a | 100 a | 99 a | 73 a | 85 a |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | 58 bcd | | | | | |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 98 a | 0 a | 100 a | 100 a | 99 a | 100 a |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | 63 a-d | | | | | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 91 ab | 0 a | 95 a | 100 a | 99 a | 86 a |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | 66 a-d | | | | | |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 38 cd | 3 a | 71 a | 68 b | 55 a | 94 a |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | 38 cd | | | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 63 a-d | 0 a | 100 a | 100 a | 100 a | 100 a |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | 30 d | | | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 96 ab | 0 a | 98 a | 100 a | 100 a | 55 a |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | 95 ab | | | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 96 ab | 0 a | 100 a | 100 a | 100 a | 56 a |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | 90 ab | | | | | |

Purdue University

| Weed Code | | | | | | | STEME | FESS | RUMCR | TRFRE | STEME | VENBA | |
|--------------------|--------------------|---------|-----------|--------------|-------------------|----------|-------------|------------|------------|------------|------------|------------|------|
| Crop Code | | | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | | | |
| Rating Data Type | | | | | | | % | % | % | % | % | % | |
| Rating Unit | | | | | | | %control | %injury | %control | %control | %control | %control | |
| Rating Date | | | | | | | 11/May/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | 8/Jun/2005 | |
| Crop Stage | | | | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | | | | |
| Weed Stage | | | | | | | | 8-12" | | | | 2-6" | |
| Weed Density, Unit | | | | | | | 30 YD2 | 500 YD2 | <1 YD2 | 200 YD2 | 30 YD2 | 1 YD2 | |
| Assessed By | | | | | | | WGJ | EC | EC | EC | EC | EC | |
| Tri-Eval Interval | | | | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | | | | |
| Tri No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 31 | 32 | 33 | 34 | 35 | 36 |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 100 a | 0 a | 100 a | 100 a | 100 a | 88 a |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 80 ab | | | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 95 ab | 0 a | 100 a | 100 a | 100 a | 89 a |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | 95 ab | | | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 79 ab | 0 a | 100 a | 96 a | 93 a | 80 a |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | 61 a-d | | | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | | | | |
| LSD (P=.05) | | | | | | | 39.5 | 2.2 | 26.5 | 17.3 | 31.0 | 38.9 | |
| Standard Deviation | | | | | | | 27.9 | 1.5 | 18.3 | 12.0 | 21.4 | 27.0 | |
| CV | | | | | | | 37.12 | 663.33 | 19.29 | 12.4 | 23.21 | 32.61 | |
| Grand Mean | | | | | | | 75.18 | 0.23 | 95.11 | 96.59 | 92.39 | 82.73 | |
| Bartlett's X2 | | | | | | | 58.717 | 0.0 | 13.524 | 19.235 | 41.307 | 13.185 | |
| P(Bartlett's X2) | | | | | | | 0.001* | . | 0.004* | 0.001* | 0.001* | 0.106 | |
| Replicate F | | | | | | | 7.287 | 1.000 | 0.861 | 1.073 | 1.679 | 0.364 | |
| Replicate Prob(F) | | | | | | | 0.0003 | 0.4064 | 0.4718 | 0.3755 | 0.1925 | 0.7792 | |
| Treatment F | | | | | | | 2.357 | 1.000 | 1.071 | 2.634 | 1.918 | 1.264 | |
| Treatment Prob(F) | | | | | | | 0.0049 | 0.4654 | 0.4135 | 0.0196 | 0.0820 | 0.2937 | |

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.

Purdue University

| Weed Code | | | | | | | | SOLCA | VENBA | SOLCA |
|--------------------|------------------------------|----------|--------------------|--------------|----------------------------|----------------------------|-------------|------------|-------------|-------------|
| Crop Code | | | | | | | | | | |
| Part Rated | | | | | | | | | | |
| Rating Data Type | | | | | | | | % | % | % |
| Rating Unit | | | | | | | | %control | %control | %control |
| Rating Date | | | | | | | | 8/Jun/2005 | 14/Jul/2005 | 14/Jul/2005 |
| Crop Stage | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | |
| Weed Stage | | | | | | | | 2-6" | 6-10" | 6-10" |
| Weed Density, Unit | | | | | | | | 1-5 YD2 | 1 YD2 | 1-5 YD2 |
| Assessed By | | | | | | | | EC | EC | EC |
| Tri-Eval Interval | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 37 | 38 | 39 |
| 1 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 75 ab | 71 a | 44 a |
| 2 | Curtail (ae) NIS | 0.89 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | |
| 3 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | SPRING SPRING | A A | 65 abc | 76 a | 63 a |
| 4 | Curtail (ae) NIS | 1.19 | lb ae/a | 4 | pt/a 0.25 % v/v | FALL FALL | B B | | | |
| 5 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | SPRING SPRING | A A | 83 ab | 100 a | 53 a |
| 6 | Curtail (ae) NIS | 1.49 | lb ae/a | 5 | pt/a 0.25 % v/v | FALL FALL | B B | | | |
| 7 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | SPRING SPRING SPRING | A A A | 60 bcd | 80 a | 54 a |
| 8 | Banvel 2,4-D Ester NIS | 0.5 1 | lb ae/a lb ae/a | 1 2 | pt/a pt/a 0.25 % v/v | FALL FALL FALL | B B B | | | |
| 9 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | SPRING SPRING | A A | 23 de | 100 a | 54 a |
| 10 | 2,4-D Ester NIS | 1 | lb ae/a | 2 | pt/a 0.25 % v/v | FALL FALL | B B | | | |
| 11 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | SPRING SPRING | A A | 100 a | 99 a | 96 a |
| 12 | Grazon P+D NIS | 0.95 | lb ae/a | 3 | pt/a 0.25 % v/v | FALL FALL | B B | | | |
| 13 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | SPRING SPRING | A A | 11 e | 60 a | 26 a |
| 14 | Cimarron (Ally XP) NIS | 0.00375 | lb ai/a | 0.1 | oz/a 0.125 % v/v | FALL FALL | B B | | | |
| 15 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | SPRING SPRING | A A | 13 e | 80 a | 35 a |
| 16 | Cimarron (Ally XP) NIS | 0.0075 | lb ai/a | 0.2 | oz/a 0.125 % v/v | FALL FALL | B B | | | |

Purdue University

| Weed Code | | | | | | | SOLCA | VENBA | SOLCA | |
|--------------------|--------------------|---------|-----------|--------------|-------------------|----------|------------|-------------|-------------|------|
| Crop Code | | | | | | | | | | |
| Part Rated | | | | | | | | | | |
| Rating Data Type | | | | | | | % | % | % | |
| Rating Unit | | | | | | | %control | %control | %control | |
| Rating Date | | | | | | | 8/Jun/2005 | 14/Jul/2005 | 14/Jul/2005 | |
| Crop Stage | | | | | | | | | | |
| Crop Stage Scale | | | | | | | | | | |
| Weed Stage | | | | | | | 2-6" | 6-10" | 6-10" | |
| Weed Density, Unit | | | | | | | 1-5 YD2 | 1 YD2 | 1-5 YD2 | |
| Assessed By | | | | | | | EC | EC | EC | |
| Tri-Eval Interval | | | | | | | | | | |
| # Subsamples, Dec. | | | | | | | | | | |
| Trt No. | Treatment Name | Rate | Rate Unit | Product Rate | Product Rate Unit | Grow Stg | Appl Code | 37 | 38 | 39 |
| 17 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 13 e | 95 a | 15 a |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | SPRING | A | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | |
| 18 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | |
| | Telar (Glean) | 0.0117 | lb ai/a | 0.25 | oz/a | FALL | B | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | |
| 19 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | SPRING | A | 28 cde | 78 a | 43 a |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | SPRING | A | | | |
| | NIS | | | 0.125 | % v/v | SPRING | A | | | |
| 20 | Cimarron (Ally XP) | 0.00375 | lb ai/a | 0.1 | oz/a | FALL | B | | | |
| | 2,4-D Ester | 0.25 | lb ae/a | 0.5 | pt/a | FALL | B | | | |
| | NIS | | | 0.125 | % v/v | FALL | B | | | |
| 21 | Distinct | 0.35 | lb ae/a | 8 | oz/a | SPRING | A | 73 ab | 65 a | 53 a |
| | NIS | | | 0.25 | % v/v | SPRING | A | | | |
| 22 | Distinct | 0.35 | lb ae/a | 8 | oz/a | FALL | B | | | |
| | NIS | | | 0.25 | % v/v | FALL | B | | | |
| LSD (P=.05) | | | | | | | 39.1 | 43.7 | 42.0 | |
| Standard Deviation | | | | | | | 27.1 | 30.3 | 29.1 | |
| CV | | | | | | | 55.02 | 36.86 | 59.93 | |
| Grand Mean | | | | | | | 49.2 | 82.16 | 48.52 | |
| Bartlett's X2 | | | | | | | 10.899 | 19.309 | 20.368 | |
| P(Bartlett's X2) | | | | | | | 0.283 | 0.013* | 0.026* | |
| Replicate F | | | | | | | 3.245 | 0.607 | 0.818 | |
| Replicate Prob(F) | | | | | | | 0.0357 | 0.6156 | 0.4943 | |
| Treatment F | | | | | | | 5.776 | 0.893 | 2.091 | |
| Treatment Prob(F) | | | | | | | 0.0001 | 0.5507 | 0.0579 | |

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.