

**1998 Irrigated Alfalfa Variety Yield Trial, University of Wyoming Research and Extension Center,
Powell, WY**

| Brand/Variety | Origin or Marketer | Yield in Tons/Acre Dry Matter* | | | | | | | |
|---------------------------------|-----------------------|--------------------------------|---------|-------------------|------------|------------|------------|-----------|-------------|
| | | 6-8-00 | 7-24-00 | 10-3-00 | 2000 Total | 1999 Total | 2-yr Total | 2-yr Ave. | % of Ranger |
| DS9612 | Dairyland | 2.28 | 2.00 | 1.20 | 5.47 | 6.50 | 11.97 | 5.98 | 117 |
| Paramount | Cargill Hybrid Seed | 2.19 | 1.89 | 1.21 | 5.29 | 6.34 | 11.62 | 5.81 | 113 |
| Rampage Mico-Rizo ¹ | Gooding Seed | 2.21 | 2.00 | 1.35 | 5.56 | 6.02 | 11.58 | 5.79 | 113 |
| TMF 421 | Mycogen Seeds | 2.33 | 1.84 | 1.39 | 5.56 | 5.97 | 11.53 | 5.76 | 113 |
| DK142 | DeKalb | 2.42 | 1.84 | 1.37 | 5.62 | 5.82 | 11.44 | 5.72 | 112 |
| Super 6 | Super Seeds | 2.11 | 1.81 | 1.38 | 5.31 | 6.07 | 11.38 | 5.69 | 111 |
| Pinnacle | Arkansas Valley Seeds | 2.16 | 1.95 | 1.21 | 5.28 | 5.99 | 11.27 | 5.64 | 110 |
| Magnum V | Dairyland | 2.14 | 1.92 | 1.25 | 5.32 | 5.93 | 11.25 | 5.62 | 110 |
| Rambo Mico-Rizo ¹ | Gooding Seed | 2.06 | 1.79 | 1.33 | 5.17 | 5.99 | 11.16 | 5.58 | 109 |
| 53V08 | Pioneer | 2.12 | 1.92 | 0.94 | 4.99 | 6.16 | 11.14 | 5.57 | 109 |
| Rebound | Cenex Land O'Lakes | 2.20 | 1.66 | 1.18 | 5.04 | 5.96 | 11.01 | 5.50 | 107 |
| Mountaineer | Cenex Land O'Lakes | 2.18 | 1.70 | 1.24 | 5.12 | 5.78 | 10.89 | 5.45 | 106 |
| Plumas | Union Seed | 2.22 | 1.90 | 1.31 | 5.43 | 5.32 | 10.75 | 5.38 | 105 |
| Enhancer Mico-Rizo ¹ | Gooding Seed | 2.15 | 1.64 | 1.38 | 5.18 | 5.39 | 10.57 | 5.28 | 103 |
| Innovator +Z | Americas Alfalfa | 2.26 | 1.63 | 1.22 | 5.11 | 5.45 | 10.56 | 5.28 | 103 |
| Rambo | Gooding Seed | 2.10 | 1.51 | 1.23 | 4.84 | 5.64 | 10.48 | 5.24 | 102 |
| Ranger | Public | 2.13 | 1.78 | 1.12 | 5.03 | 5.21 | 10.24 | 5.12 | 100 |
| Wrangler | Public | 1.89 | 1.31 | 1.11 | 4.30 | 5.24 | 9.54 | 4.77 | 93 |
| Vernal | Public | 1.61 | 1.52 | 0.97 | 4.09 | 4.95 | 9.05 | 4.52 | 88 |
| Average | | 2.14 | 1.76 | 1.23 ² | 5.14 | 5.77 | 10.92 | 5.46 | 107 |
| LSD (0.05) | | N.S. | 0.30 | 0.20 | 0.77 | 0.76 | 1.16 | 0.58 | |
| CV (%) | | 15.5 | 12.1 | 11.7 | 10.5 | 9.3 | 7.5 | 7.5 | |

¹Mico-Rizo seed coating reduced seeding rate by 34%.

²Standing crop losses occurred prior to harvest of third cutting due to 23-25 degree F temperatures and 3.5 inches of snow on September 22-23, 2000.

*Dried for 48 hr at 60 degrees C. To convert dry tons per acre to hay at 12% moisture, multiply by 1.136.

ESTABLISHMENT PROCEDURE: Seeded on 4-30-98 @ 24 lbs pure live seed per acre after 250 lbs/A of 11-52-0 were soil incorporated. Borders were seeded to Big Horn. Trial was gravity-flow, flood-irrigated.

ELEVATION: 4365 ft above sea level; 155 days above 28 degrees F.

SOIL TYPE: Clay Loam.

EXP. DESIGN: Randomized Complete Block, Four Replications. Yields differing from each other by more than the LSD are different odds of at least 19 to 1. An LSD designation of N.S. indicates a difference that is "non-significant".

COOPERATORS: Lyle Bjornestad, Mike Killen, Alan Gray (307) 754-2223.

(TablePOW98-00.wpd)