

**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*								
		6-12-01	7-24-01	10-11-01	2001 Total	2000 Total ²	1999 Total	3-yr Total	3-yr Ave.	% of Ranger
DS9612	Dairyland	2.35	2.18	1.06	5.58	5.47	6.50	17.55	5.85	115
Rampage Mico-Rizo ¹	Gooding Seed	2.24	2.07	1.19	5.50	5.56	6.02	17.08	5.69	112
Paramount	Cargill Hybrid Seed	2.20	2.05	1.15	5.40	5.29	6.34	17.02	5.67	111
TMF 421	Mycogen Seeds	2.30	2.02	1.10	5.42	5.56	5.97	16.95	5.65	111
Super 6	Super Seeds	2.17	1.96	1.19	5.32	5.31	6.07	16.70	5.57	109
DK142	DeKalb	2.17	1.91	1.15	5.22	5.62	5.82	16.67	5.56	109
Rambo Mico-Rizo ¹	Gooding Seed	2.27	1.86	1.14	5.27	5.17	5.99	16.43	5.48	107
53V08	Pioneer	2.09	2.00	1.00	5.10	4.99	6.16	16.24	5.41	106
Magnum V	Dairyland	2.03	1.93	1.03	4.99	5.32	5.93	16.23	5.41	106
Pinnacle	Arkansas Valley Seeds	1.94	1.84	1.09	4.87	5.28	5.99	16.14	5.38	105
Plumas	Union Seed	2.14	1.99	1.13	5.26	5.43	5.32	16.01	5.34	105
Mountaineer	Cenex Land O'Lakes	2.00	1.83	1.20	5.02	5.12	5.78	15.92	5.31	104
Rebound 4.2	Cenex Land O'Lakes	1.76	1.86	1.07	4.70	5.04	5.96	15.70	5.23	103
Enhancer Mico-Rizo ¹	Gooding Seed	2.17	1.75	1.08	5.00	5.18	5.39	15.57	5.19	102
Innovator +Z	Americas Alfalfa	2.16	1.76	1.08	5.00	5.11	5.45	15.56	5.19	102
Rambo	Gooding Seed	2.06	1.93	1.04	5.03	4.84	5.64	15.51	5.17	101
Ranger	Public	2.13	1.85	1.08	5.06	5.03	5.21	15.30	5.10	100
Wrangler	Public	1.81	1.79	0.90	4.50	4.30	5.24	14.05	4.68	92
Vernal	Public	1.72	1.67	0.92	4.30	4.09	4.95	13.35	4.45	87
Average		2.09	1.91	1.08	5.08	5.14	5.77	16.00	5.33	105
LSD (0.05)		0.27	0.21	0.14	0.45	0.77	0.76	1.39	0.46	
CV (%)		9.1	7.7	9.1	6.2	10.5	9.3	6.1	6.1	

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".

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(Table POW98-01.wpd)