

**1996 Irrigated Alfalfa Variety Yield Trial, University of Wyoming Research and Extension Center,  
Torrington, WY.**

Brand/Variety	Origin or Marketer	Yield in Tons/Acre Dry Matter*									
		5-28-99	7-17-99	8-19-99	10-11-99	1999 Total	1998 Total	1997 Total	3-Year Average	3-Year Total	% of Ranger
Shamrock	Sharp Bros. Seeds	1.75	2.29	1.79	1.07	6.91	4.76	6.86	6.18	18.53	116
5312	Pioneer Hybrids Int'l.	1.86	2.35	1.62	1.18	7.01	4.36	7.03	6.13	18.40	115
Leafmaster	Union Seed Co.	1.77	2.20	1.63	1.15	6.74	4.46	7.10	6.10	18.30	115
4L103	Arkansas Valley Seed	1.82	2.18	1.65	1.19	6.84	4.22	7.07	6.04	18.13	114
Alfaleaf II	Sharp Bros. Seeds	1.90	2.27	1.43	1.19	6.79	4.29	7.05	6.04	18.13	114
Innovator +Z	America's Alfalfa	1.96	2.16	1.36	1.09	6.57	4.49	6.78	5.95	17.84	112
MagnaGraze	Dairyland Seed	1.98	1.91	1.47	1.14	6.50	4.32	6.94	5.92	17.76	111
Big Horn	Cargill Hybrid Seeds	1.81	2.28	1.46	1.07	6.61	4.25	6.87	5.91	17.73	111
TMF Multiplier II	Mycogen Plant Sciences	1.85	2.04	1.55	1.06	6.50	4.17	6.92	5.86	17.59	110
ProGro	MBS, Inc.	1.71	2.03	1.34	1.20	6.27	4.40	6.91	5.86	17.58	110
Magnum III	Dairyland Seed	1.84	1.99	1.53	1.04	6.40	4.32	6.84	5.85	17.56	110
Rainier	Northrup King	1.86	2.23	1.52	1.04	6.65	4.15	6.67	5.82	17.47	109
Depend +EV	AgriPro	1.91	1.88	1.42	1.08	6.29	4.36	6.63	5.76	17.28	108
WL324	WL Research	1.83	1.75	1.50	1.06	6.15	4.29	6.67	5.70	17.11	107
Wrangler	Public	1.80	2.18	1.33	0.93	6.24	4.22	6.62	5.69	17.08	107
MBS 1141	MBS, Inc.	1.96	2.06	1.45	1.15	6.62	3.93	6.46	5.67	17.01	107
5454	Pioneer Hybrids Int'l.	1.86	2.16	1.49	1.10	6.60	3.99	6.36	5.65	16.95	106
WL325HQ	WL Research	1.79	1.86	1.37	0.99	6.00	4.35	6.55	5.63	16.90	106
A295	MBS, Inc.	1.84	1.87	1.38	0.90	5.98	4.28	6.61	5.62	16.87	106
Defiant	AgriPro	1.83	2.00	1.26	0.91	6.01	4.38	6.39	5.59	16.78	105
A395	MBS, Inc.	1.91	1.87	1.29	1.05	6.12	4.24	6.28	5.55	16.64	104
645	ICI	1.73	1.94	1.20	0.93	5.80	4.22	6.50	5.51	16.52	104
Runner II	Geertson Seed Farms	1.68	1.97	1.31	0.87	5.83	4.14	6.25	5.41	16.22	102
Bounty	MBS, Inc.	1.89	1.74	1.39	0.69	5.71	4.00	6.46	5.39	16.17	101
Ranger	Public	1.83	1.96	1.28	0.76	5.82	4.13	6.03	5.33	15.98	100
Avalanche +Z	America's Alfalfa	1.78	1.87	1.44	0.67	5.76	4.19	6.01	5.32	15.96	100
Average		1.84	2.04	1.44	1.02	6.34	4.29	6.65	5.75	17.28	
LSD (0.05)		NS	0.37	0.19	0.21	0.60	0.33	0.60	0.35		
CV (%)		7.9	13.0	9.6	14.5	6.8	5.5	6.4	3.7		

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

ESTABLISHMENT PROCEDURE: Seeded on 5-2-96@24 lbs pure live seed per acre after 250 lbs/A of 11-52-0 were soil incorporated. Borders were seeded to Ranger.

Trial was both sprinkler and border flood-irrigated.

ELEVATION: 4104 ft above sea level; 148 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 at 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 TOR9699. doc)