

1996 Irrigated Alfalfa Variety Yield Trial, University of Wyoming, Dan Brown Farm, Riverton, WY.

Brand/Variety	Origin or Marketer	Yield in Tons/Acre Dry Matter*								
		6-11-99	7-30-99	10-8-99	1999 Total	1998 Total	1997 Total	3-Year Average	3-Year Total	% of Ranger
Big Horn	Cargill Hybrid Seeds	1.96	2.26	1.75	5.97	6.44	5.82	6.08	18.23	117
Hyland	Oasis	2.00	2.26	1.99	6.25	6.43	5.19	5.96	17.87	114
TMF Multiplier II	Mycogen Plant Sciences	1.93	2.19	1.78	5.89	6.31	5.45	5.88	17.65	113
WL324	WL Research	1.92	2.24	1.75	5.90	6.48	5.14	5.84	17.52	112
330	Union Seed Company	1.73	2.31	1.74	5.78	6.33	5.31	5.81	17.42	111
Magnum III	Dairyland Seed	2.11	2.33	1.74	6.17	6.09	5.11	5.79	17.37	111
5312	Pioneer Hybrids Int'l.	1.99	2.31	1.61	5.90	6.02	5.40	5.77	17.32	111
Leafmaster	Union Seed Co.	1.65	2.30	1.79	5.74	6.09	5.35	5.73	17.18	110
Alfaleaf II	Sharp Bros. Seeds	1.51	2.09	1.47	5.08	6.37	5.60	5.68	17.05	109
Super 6	Super Seeds	1.68	2.21	1.55	5.44	6.46	5.14	5.68	17.04	109
Cimarron 3i	Great Plains Research	1.63	2.14	1.69	5.45	6.37	5.20	5.67	17.02	109
5454	Pioneer Hybrids Int'l.	1.67	2.09	1.43	5.18	6.40	5.28	5.62	16.86	108
WL 133	WL Research	1.57	1.97	1.54	5.09	6.34	5.43	5.62	16.86	108
Rushmore	Northrup King	1.83	2.14	1.39	5.36	6.15	5.31	5.61	16.82	108
4L103	Arkansas Valley Seed	1.63	2.19	1.51	5.33	6.03	5.39	5.58	16.75	107
645	ICI Seeds	1.77	1.97	1.54	5.28	6.13	5.28	5.56	16.69	107
5396	Pioneer Hybrids Int'l.	1.91	2.25	1.68	5.85	5.93	4.74	5.51	16.52	106
Rainier	Northrup King	1.68	1.97	1.42	5.07	5.84	5.54	5.48	16.45	105
WL325HQ	WL Research	1.75	2.09	1.36	5.21	5.83	5.14	5.39	16.18	103
Wrangler	Public	1.78	2.03	1.18	4.98	6.27	4.73	5.33	15.98	102
ICI 631	ICI Seeds	1.57	1.99	1.46	5.01	5.82	5.04	5.29	15.87	101
Haygrazer	Great Plains Res. Co.	1.41	2.19	1.26	4.86	6.09	4.74	5.23	15.69	100
Ranger	Public	1.73	2.03	1.55	5.32	5.73	4.59	5.21	15.64	100
CR15-5	Super Seeds	1.75	2.17	1.34	5.26	5.00	4.17	4.81	14.43	92
Average		1.76	2.15	1.56	5.47	6.12	5.17	5.59	16.76	
LSD (0.05)		NS	NS	NS	NS	0.57	0.63	0.48		
CV (%)		21.6	11.9	25.9	16.3	6.60	8.70	5.2		

*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 4-30-96 @ 24lbs pure live seed per acre after 250 lbs/A of 11-52-0 were soil incorporated. Borders were seeded to Ranger. Trial was sprinkler irrigated.

ELEVATION: 4596 ft above sea level; 143 days above 28 degrees F.

SOIL TYPE: Sandy

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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(TableRIV9699.wpd)