

**1997 Irrigated Alfalfa Variety Yield Trial, University of Wyoming at the Padlock Ranch, Sheridan, WY.**

**Yield in Tons/Acre Dry Matter\***

Brand/Variety	Origin or Marketer	Yield in Tons/Acre Dry Matter*								
		6-22-00	8-4-00	10-11-00	2000 Total	1999 Total	1998 Total	3 yr. Total	3 yr. Avg.	% of Ranger
DK 143	Dekalb Genetics	2.06	1.73	0.92	4.70	6.32	5.90	16.93	5.64	114
Plumas	Eureka Seeds Inc.	2.12	1.75	0.92	4.80	6.79	5.08	16.67	5.56	112
Big Horn	Cargill Hybird	2.21	1.62	1.01	4.84	6.65	5.15	16.64	5.55	112
Agriboss	Cropmate	1.99	1.55	0.91	4.44	6.37	5.45	16.26	5.42	109
Innovator +Z	America's Alfalfa	2.03	1.58	1.09	4.70	6.64	4.85	16.19	5.40	109
Fortress	Norvartis	1.94	1.55	0.98	4.47	6.46	5.11	16.03	5.34	108
631	Garst Seed Co.	2.10	1.59	0.93	4.62	6.60	4.81	16.02	5.34	108
DK 142	Dekalb Genetics	2.16	1.53	0.88	4.57	6.30	5.09	15.96	5.32	107
WL 324	WL Research Inc.	2.11	1.74	0.94	4.80	6.37	4.79	15.96	5.32	107
Rainier	Norvartis	2.00	2.00	0.89	4.89	6.21	4.79	15.89	5.30	107
Leafmaster	Union Seed	2.26	1.58	0.78	4.62	6.74	4.44	15.80	5.27	106
Rhino	Geertson Seed Farm	1.95	1.69	0.96	4.59	6.44	4.40	15.44	5.15	104
2888	Norvartis	2.03	1.47	1.03	4.52	6.36	4.56	15.43	5.14	104
Pioneer 5396	Pioneer Hi-Bred Int'l	2.06	1.65	0.90	4.61	6.26	4.39	15.26	5.09	103
630	Garst Seed Co.	2.06	1.35	0.86	4.27	6.07	4.83	15.16	5.05	102
WL 325	WL Research Inc.	2.19	1.38	0.87	4.43	6.24	4.43	15.12	5.04	102
DK 127	Dekalb Genetics	1.93	1.46	0.85	4.24	6.33	4.47	15.03	5.01	101
Wrangler	Public	2.04	1.46	0.77	4.27	6.28	4.35	14.90	4.97	100
Ranger	Public	2.09	1.63	0.85	4.57	6.32	3.99	14.88	4.96	100
Pinnacle	Arkansas Valley	1.89	1.52	0.81	4.23	6.09	4.37	14.68	4.89	99
Average		2.07	1.58	0.90	4.55	6.39	4.78	15.73	5.24	106
LSD (0.05)		N.S.	0.25	N.S.	N.S.	N.S.	0.75	1.09	0.36	
CV (%)		10.9	11.2	17.5	7.1	6.5	11.0	4.9	4.9	

\*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 5-6-97@12lbs pure live seed per acre after 350 lbs/A of P<sub>2</sub>O<sub>5</sub> were soil incorporated. Borders were seeded to Ladak. Trial was sprinkler irrigated.

ELEVATION: 3745 ft above sea level; 150 days above 28 degrees F.

SOIL TYPE: Silty 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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(TablePAD97-00.wpd)