

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	6-23-99	8-10-99	10-5-99	1999 Total	1998 Total	2-Year Ave.	% of Ranger
DK 143	Dekalb Genetics	2.97	2.22	1.13	6.32	5.90	6.11	119
Plumas	Eureka Seeds Inc.	3.11	2.43	1.25	6.79	5.08	5.94	115
Agriboss	Cropmate	2.90	2.26	1.21	6.37	5.45	5.91	115
Big Horn	Cargill Hybird	3.04	2.45	1.16	6.65	5.15	5.90	114
Fortress	Norvartis	2.88	2.27	1.32	6.46	5.11	5.79	112
Innovator +Z	America's Alfalfa	3.19	2.30	1.16	6.64	4.85	5.75	111
631	Garst Seed Co.	2.98	2.33	1.29	6.60	4.81	5.71	111
DK 142	Dekalb Genetics	2.74	2.33	1.23	6.30	5.09	5.70	110
Leafmaster	Union Seed	3.06	2.29	1.39	6.74	4.44	5.59	108
WL 324	WL Research Inc.	2.96	2.27	1.14	6.37	4.79	5.58	108
Rainier	Norvartis	2.94	2.05	1.23	6.21	4.79	5.50	107
2888	Norvartis	3.00	2.20	1.16	6.36	4.56	5.46	106
630	Garst Seed Co.	2.53	2.33	1.21	6.07	4.83	5.45	106
Rhino	Geertson Seed Farm	2.82	2.28	1.35	6.44	4.40	5.42	105
DK 127	Dekalb Genetics	2.76	2.39	1.18	6.33	4.47	5.40	105
WL 325	WL Research Inc.	2.91	2.28	1.05	6.24	4.43	5.34	103
Pioneer 5396	Pioneer Hi-Bred Int'l	2.76	2.36	1.14	6.26	4.39	5.33	103
Wrangler	Public	2.86	2.24	1.18	6.28	4.35	5.32	103
Pinnacle	Arkansas Valley	2.68	2.08	1.34	6.09	4.37	5.23	101
Ranger	Public	2.78	2.29	1.26	6.32	3.99	5.16	100
Average		2.91	2.27	1.21	6.39	4.78	5.59	
LSD (0.05)		0.35	NS	0.20	NS	0.75		
CV (%)		8.44	11.41	11.54	6.47	11.0		

\*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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