

2007 Irrigated Alfalfa Variety Trial, University of Wyoming Research and Extension Center, Powell, WY.

Variety Name	Source	8/6/07 DM Yield ton/acre	6/18/08 DM Yield ton/acre	8/1/08 DM Yield ton/acre	10/1/08 DM Yield ton/acre	2yr Ave DM Yield ton/acre	2yr total DM Yield ton/acre	2yr % of Ranger
Vernal	Public	1.48	4.06	2.78	1.09	2.35	9.40	108
Magnum VI	Dairyland	1.68	3.46	3.09	1.01	2.31	9.24	106
Impressive	UAP	1.46	3.64	3.13	0.93	2.29	9.17	105
Medalist	Intermountain Farmers	1.43	3.54	2.90	1.28	2.29	9.14	105
Integra 8300	Wilbur-Ellis Co	1.26	3.54	3.25	0.91	2.24	8.96	103
PGI 459	Producer's Choice	1.28	3.73	2.74	1.16	2.23	8.90	102
Ranger	Public	1.43	3.58	2.68	1.05	2.18	8.74	100
Integra 8400	Wilbur-Ellis Co	1.33	3.56	2.76	1.09	2.18	8.74	100
X101	Vance Vanderploeg	1.54	3.15	2.70	1.28	2.16	8.66	99
Melton	Public	1.51	3.44	2.48	1.22	2.16	8.65	99
Lander	Allied Seed	1.17	3.46	3.00	0.93	2.14	8.56	98
Robin	Blue River Organic	1.26	3.27	2.84	1.09	2.11	8.45	97
Masterpiece	JR Simplot Co	1.43	3.38	2.54	1.03	2.09	8.37	96
407TQ	America's Alfalfa	1.30	3.40	2.72	0.95	2.09	8.37	96
Lariat	JR Simplot Co	1.46	3.35	2.46	0.91	2.05	8.19	94
Ave for Trial		1.40	3.50	2.80	1.06	2.19	8.77	
LSD (0.05)		0.30	NS	NS	NS	NS		
CV (%)		2.33	12.44	13.52	18.07	8.99		

Dried for 48 hours at 60 degrees C. To convert dry ton per acre to hay at 12% moisture, multiply by 1.136.

Establishment Procedure: Seeded on 6-4-07 @ 18 lbs pure live seed per acre after 200lbs/A of 11-52-0 were soil incorporated.

Borders were seeded to Lander. Trial is gravity-flow, flood irrigated.

Elevation: 4365 ft above sea level; 145 days above 28 degrees F.

Soil Type: Clay loam

Exp Design : Completely randomized, Four Replications, Yields differing by more than the LSD are different at odds of at least 19 to 1.

An LSD designation of N.S. indicates yield differences were not significant.

2008 management: Spring burned to remove litter from previous year to assist in irrigating. Applied 200lbs/A of 11-52-0 April 1, 2008.

Cooperators: Randall Violett & Mike Killen (307)754-2223