

2003 Irrigated Alfalfa Variety Trial, University of Wyoming Research and Extension Center, Powell, WY.

Yield in Tons/Acre Dry Matter										
Brand (Exp. Designation)	Variety/Source and contact info.	6/9/06	7/26/06	9/5/06	2006 Total	2005 Total	2004 Total	3 yr. Total	3 yr. Avg.	% of Ranger
Mountaineer 2.0 (4M124)	Croplan Genetics-Curt Droogsma (406)860-1330	2.60	2.50	3.40	8.53	8.55	6.65	23.73	7.91	132
Boulder (4M125)	NK Brand- Joe Waldo (800)445-0956	2.70	2.30	3.10	8.14	8.25	6.64	23.03	7.68	129
54Q25	www.pioneer.com	2.80	2.30	3.00	8.16	7.81	6.12	22.09	7.36	123
Somerset	NK Brand- Joe Waldo (800)445-0956	2.60	2.20	2.90	7.75	7.99	6.30	22.04	7.35	123
6400 HT	www.garstseed.com	2.60	2.20	2.70	7.55	7.90	6.23	21.68	7.23	121
WL 319 HQ	www.wlresearch.com	2.50	2.10	2.60	7.22	8.05	6.28	21.55	7.18	120
HybriForce 420	www.dairylandseed.com	2.40	2.00	2.80	7.21	7.40	6.17	20.78	6.93	116
Lander (WBRR)	Allied Seed- Gary White (877)574-7150	2.50	2.00	2.50	7.09	7.29	5.85	20.23	6.74	113
Fremont	Public	2.40	1.80	2.30	6.60	7.28	5.85	19.73	6.58	110
Wrangler	Public	2.10	1.80	2.40	6.30	6.68	5.69	18.67	6.22	104
Ranger	Public	2.30	1.90	2.40	6.58	6.19	5.15	17.92	5.97	100
Vernal	Public	2.00	1.70	2.00	5.83	6.51	5.56	17.90	5.97	100
Heinrichs	Public	2.40	1.70	2.00	6.14	5.82	5.11	17.07	5.69	95
Average		2.45	2.04	2.62	7.16	7.36	5.97	20.49	6.83	
LSD (0.05)		0.29	0.32	0.32	0.57	0.85	0.68			
CV (%)		13.36	18.06	16.88	13.15	8.00	7.90			

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 6-05-03 @ 24 lbs pure live seed per acre after 600lbs/A of 11-52-0 were soil incorporated.

Borders were seeded to Ranger. Trial was gravity-flow, flood irrigated.

Elevation: 4365 ft above sea level; 155 days above 28 degrees F.

Soil Type: Clay loam

Exp. Design: Randomized Complete Block, Four Replications, Yields differing by more than the LSD are different at odds of at least 19 to 1 but an LSD designation of N.S. indicates yield differences were not significant.

Cooperators: Alan Gray, Mike Killen, Randall Violett (307) 754-2223