

2003-2005 Irrigated Alfalfa Variety Yield Trial, University of Wyoming Research and Extension Center, Powell, WY.

Brand/Variety	Source	6-21-05	8-04-05	9-30-05	Yield in Tons/Acre Dry Matter ¹				
					2005 Total	2004 Total	2-yr. Total	2-yr. Avg.	% of Ranger
4M124	www.croplangenetics.com	2.15	4.07	2.32	8.55	6.65	15.20	7.60	134
4M125	www.syngenta.com	2.01	3.82	2.42	8.25	6.64	14.89	7.45	131
WL 319 HQ	www.wlresearch.com	2.11	3.77	2.17	8.05	6.28	14.33	7.17	126
Somerset	www.syngenta.com	2.04	3.72	2.23	7.99	6.30	14.29	7.15	126
6400 HT	www.garstseed.com	2.30	3.57	2.04	7.90	6.23	14.13	7.07	125
54Q25	www.pioneer.com	1.89	3.67	2.25	7.81	6.12	13.93	6.97	123
HybriForce 420	www.dairylandseed.com	1.85	3.32	2.23	7.40	6.17	13.57	6.79	120
WBRR	University of Wyoming	2.16	3.21	1.92	7.29	5.85	13.14	6.57	116
Fremont	Public	2.17	3.24	1.87	7.28	5.85	13.13	6.57	116
Wrangler	Public	1.80	2.99	1.89	6.68	5.69	12.37	6.19	109
Vernal	Public	1.84	2.88	1.79	6.51	5.56	12.07	6.04	106
Ranger	Public	1.65	2.79	1.75	6.19	5.15	11.34	5.67	100
Heinrichs	Public	1.72	2.80	1.30	5.82	5.11	10.93	5.47	96
Average		1.97	3.37	2.01	7.36	5.97	13.33	6.30	
LSD (0.05)		N.S.	0.33	0.31	0.85	0.68	1.14		
CV (%)		15.20	6.90	10.90	8.00	7.90	6.00		

¹Dried 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 6-05-03 @ 24 lb pure live seed per acre after 600 lb/A of 11-52-0 were soil incorporated. Borders were seeded to Ranger. Trial was gravity-flow, flood irrigated.

ELEVATION: 4365ft 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.

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