

2001 Irrigated Alfalfa Variety Yield Trial, Padlock Ranch, Dayton Wyoming.

Yield in Tons/Acre Dry Matter¹

Brand/Variety	Source	2002					% of Ranger		
		6-23-04	8-05-04	2004 Total	2003 Total	Total			
Shaw	Montana State University	1.60	1.78	3.38	7.12	6.65	17.15	5.71	112
Millennia	www.foragegenetics.com	1.86	1.81	3.67	6.33	6.56	16.56	5.52	109
ZX9450A	www.abialfalfa.com	1.67	1.52	3.19	6.77	6.46	16.42	5.47	108
Cooper	Montana State University	1.84	1.67	3.51	6.87	5.92	16.30	5.43	107
Masterpiece	www.simplot.com	1.74	1.75	3.49	6.20	6.53	16.22	5.41	106
Feast +EV	www.agripro.com	1.87	1.77	3.64	5.72	6.87	16.23	5.41	106
Rebound 4.2	www.croplangenetics.com	1.99	1.51	3.50	5.92	6.53	15.95	5.32	105
53Q60	www.pioneer.com	1.59	1.78	3.37	6.05	6.56	15.98	5.32	105
Maximizer	www.simplot.com	1.76	1.51	3.27	6.23	6.13	15.63	5.21	103
4200	www.seedsolutions.com	2.04	1.58	3.62	5.77	6.02	15.41	5.14	101
Innovator +Z	www.abialfalfa.com	1.78	1.51	3.29	5.95	6.19	15.43	5.14	101
645 II	www.gartseed.com	1.78	1.63	3.41	5.72	6.24	15.37	5.12	101
Select	www.foragegenetics.com	1.49	1.61	3.10	6.44	5.81	15.35	5.11	101
Ameristand 403T	www.abialfalfa.com	1.65	1.53	3.18	5.84	6.32	15.34	5.11	101
Amerigraze 401+Z	www.abialfalfa.com	1.87	1.76	3.63	5.79	5.85	15.27	5.09	100
WBRR	University of Wyoming	1.68	1.33	3.01	6.13	6.13	15.27	5.09	100
Ranger	Public	1.75	1.45	3.20	5.76	6.29	15.25	5.08	100
Wrangler	Public	1.89	1.66	3.55	5.77	5.85	15.17	5.05	99
Vernal	Public	1.51	1.47	2.98	6.24	5.82	15.04	5.01	99
Monument II	Geertson Seed	1.51	1.43	2.94	5.51	6.12	14.57	4.86	96
Average		1.74	1.60	3.34	6.11	6.24	15.70	5.23	103
LSD (0.05)		N.S.	N.S.	N.S.	0.81	N.S.	N.S.	N.S.	
CV (%)		16.5	24.3	12.6	9.4	11.9	7.0	7.0	

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 5-13-01 @ 24 lb pure live seed per acre after 250 lb/A of 11-52-0 were soil incorporated. Borders were seeded to Wrangler. 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 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: Roger Hybner, Dan Smith (307) 737-2415

(TablePAD01-04.doc)