

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

Brand/Variety	Origin or Marketer	Yield in Tons/Acre Dry Matter*							
		6-17-03	8-05-03	10-15-03	2003 Total	2002 Total	2-yr Total	2-yr Ave.	% of Ranger
Shaw	Montana State University	2.77	2.59	1.76	7.12	6.65	13.76	6.88	114
ZX9450A	ABI/America's Alfalfa	2.82	2.28	1.67	6.77	6.46	13.23	6.62	110
Millennia	Union Seed	2.70	2.09	1.54	6.33	6.56	12.89	6.44	107
Cooper	Montana State University	2.98	2.38	1.51	6.87	5.92	12.79	6.39	106
Masterpiece	J.R. Simplot	2.55	1.88	1.77	6.20	6.53	12.73	6.36	105
53Q60	Pioneer Hibred	2.28	2.02	1.75	6.05	6.56	12.61	6.30	104
Feast +EV	AgriPro Seeds	2.23	1.89	1.60	5.72	6.87	12.60	6.30	104
Rebound 4.2	Croplan Genetics	2.19	1.95	1.78	5.92	6.53	12.45	6.23	103
Maximizer	J.R. Simplot	2.66	2.08	1.49	6.23	6.13	12.35	6.18	102
WBRR	University of Wyoming	2.39	2.13	1.61	6.13	6.13	12.26	6.13	102
Select	Union Seed	2.56	2.12	1.76	6.44	5.81	12.25	6.12	101
Ameristand 403T	ABI/America's Alfalfa	2.31	2.10	1.43	5.84	6.32	12.15	6.07	101
Innovator +Z	ABI/America's Alfalfa	2.59	1.84	1.52	5.95	6.19	12.14	6.07	101
Ranger	Public	2.26	2.22	1.28	5.76	6.29	12.05	6.03	100
Vernal	Public	2.57	2.28	1.39	6.24	5.82	12.05	6.03	100
645 II	Garst Seed Co.	2.41	2.03	1.28	5.72	6.24	11.96	5.98	99
4200	Arkansas Valley Seeds	2.28	2.04	1.45	5.77	6.02	11.79	5.90	98
Monument II	Geertson Seed	2.00	2.06	1.45	5.51	6.12	11.63	5.82	97
Amerigraze 401+Z	ABI/America's Alfalfa	2.27	2.06	1.46	5.79	5.85	11.64	5.82	97
Wrangler	Public	2.14	2.09	1.54	5.77	5.85	11.61	5.80	96
Average		2.45	2.11	1.55	6.11	6.24	12.35	6.17	102
LSD (0.05)		0.48	N.S.	N.S.	0.81	N.S.	N.S.	N.S.	
CV (%)		13.7	13.8	19.8	9.4	11.9	7.6	7.6	

*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 5-13-01 @ 24 lbs pure live seed per acre after 250 lbs/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 from each other by more than the LSD are different odds of at least 19 to 1. An LSD designation of N.S. indicates a difference that is "non-significant".

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(TablePAD01-03.wpd)