

2001 Irrigated Alfalfa Variety Yield Trial, University of Wyoming Research and Extension Center, Powell, WY

		Yield in Tons/Acre Dry Matter*							
Brand/Variety	Origin or Marketer	6-13-03	8-05-02	9-24-03	2003 Total	2002 Total	2-yr Total	2-yr Ave.	% of Ranger
Masterpiece	J.R. Simplot	3.39	1.99	1.81	7.19	6.17	13.36	6.68	118
Millennia	Union Seed	3.13	1.74	1.76	6.63	6.71	13.34	6.67	118
Cooper	Montana State University	2.99	1.91	1.68	6.58	6.20	12.77	6.39	113
Plumas	Seed Tech / Eureka Seed	2.80	1.69	1.68	6.17	6.37	12.54	6.27	111
Goliath	Allied Seed	2.87	1.66	1.76	6.29	6.20	12.49	6.24	110
Shaw	Montana State University	3.08	1.56	1.56	6.20	6.29	12.49	6.24	110
Macon	Allied Seed	2.99	1.54	1.57	6.10	6.20	12.30	6.15	109
Wintergold	TriWest Seeds	3.01	1.56	1.66	6.23	6.03	12.25	6.13	108
Select	Union Seed	2.62	1.79	1.64	6.05	6.16	12.21	6.10	108
Vernal	Public	3.01	1.78	1.51	6.30	5.75	12.05	6.03	107
HybriForce-400	Dairyland Seed	2.90	1.56	1.57	6.03	5.95	11.98	5.99	106
Pioneer 53Q60	Pioneer Hibred	2.76	1.65	1.76	6.17	5.70	11.87	5.93	105
Rebound 4.2	Croplan Genetics	3.01	1.45	1.67	6.13	5.71	11.84	5.92	105
Wrangler	Public	2.66	1.66	1.61	5.93	5.60	11.53	5.77	102
WL 327	WL Research	2.52	1.74	1.68	5.94	5.53	11.47	5.74	101
Ameristand 403T	ABI/Americas Alfalfa	2.66	1.76	1.52	5.94	5.38	11.32	5.66	100
Ranger	Public	2.71	1.75	1.40	5.86	5.40	11.26	5.63	99
Feast + EV	AgriPro Seeds	2.64	1.56	1.53	5.73	5.36	11.08	5.54	98
Maximizer	J.R. Simplot	2.38	1.46	1.61	5.45	5.25	10.70	5.35	95
Reliance	Allied Seed	2.29	1.56	1.58	5.43	5.14	10.56	5.28	93
WBRR	University of Wyoming	2.50	1.46	1.50	5.46	5.12	10.57	5.28	93
Monument II	Geertson Seed	2.24	1.52	1.41	5.17	5.32	10.49	5.25	93
Average		2.78	1.65	1.61	6.04	5.80	11.84	5.92	105
LSD (0.05)		0.41	N.S.	0.21	0.60	0.56	0.87	0.44	
CV (%)		10.3	14.8	9.2	7.0	6.8	5.2	5.2	

*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 5-10-01 @ 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 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 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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