

Forage yields of 32 alfalfa varieties at the Arkansas Valley Research Center in 2005¹

Entry/Variety	Brand/Source	1 st Cut	2 nd Cut	3 rd Cut	4 th Cut ²	2005 ³	2004
		May 26	Jul 8	Aug 16	Oct 28	Total	Total
		tons/acre ⁴					
55H05	Pioneer Hi-Bred Int'l	2.67	2.11	1.89	1.43	8.41	6.96
4M124	Croplan Genetics	2.82	1.99	1.87	1.28	8.10	7.13
DS307 Hyb	Dairyland Seed Co.	2.84	1.93	1.94	1.09	7.73	7.11
4M125	Syngenta Int'l AG	2.89	1.74	1.76	1.12	7.67	7.11
6420	Garst	2.21	1.65	1.70	1.42	7.53	7.12
15029	Cal/West	2.64	1.61	1.79	1.14	7.51	6.67
Evermore	Allied Seed	2.46	1.68	1.49	1.37	7.44	6.98
Abundance	Sharp Bros. Seed Co.	2.72	1.70	1.66	1.11	7.18	6.97
Goliath	Allied Seed	2.52	1.77	1.78	1.19	7.16	6.85
FSG 505	Allied Seed	2.35	1.65	1.54	1.23	7.15	6.95
Lahontan	USDA/NV	2.33	1.61	1.72	1.05	7.10	6.66
Expedition	Syngenta Int'l AG	2.38	1.75	1.68	1.23	7.08	6.60
FSG 406	Allied Seed	2.56	1.80	1.76	1.00	7.06	6.73
25035	Cal/West	2.67	1.52	1.48	1.10	7.05	6.13
05009	Cal/West	2.79	1.73	1.76	0.96	7.04	6.90
45098	Cal/West	2.70	1.85	1.71	1.08	7.01	7.39
05073	Cal/West	2.52	1.66	1.97	1.05	6.93	6.88
Cimarron VL400	Cimarron USA	2.48	1.62	1.66	1.15	6.92	7.52
WL 357 HQ	W-L Research	2.67	1.79	1.69	0.97	6.88	6.46
HybriForce-420/Wet	Dairyland Seed Co.	2.37	1.59	1.66	1.05	6.85	7.20
Baralfa42IQ	Barenbrug USA	2.74	1.47	1.71	0.86	6.80	6.63
Rebel	Target Seed	2.60	1.46	1.62	0.98	6.68	6.95
WL 327	W-L Research	2.74	1.61	1.71	0.92	6.50	7.25
Baralfa53HR	Barenbrug USA	2.48	1.59	1.47	0.96	6.35	6.79
6530	Garst	2.52	1.26	1.73	0.94	6.32	7.23
Reward II	PGI Alfalfa	2.33	1.65	1.46	1.05	6.24	6.75
DS311 Hyb	Dairyland Seed Co.	2.12	1.73	1.79	1.04	6.23	7.23
Arapaho	Dairyland Seed Co.	2.37	1.41	1.77	0.95	6.11	7.05
Bullseye	Target Seed	2.13	1.61	1.74	0.84	6.08	7.04
Masterpiece	J.R. Simplot	2.67	1.52	1.60	0.94	6.01	7.37
Rugged	Target Seed	2.16	1.32	1.72	0.93	5.95	6.61
DS304 Hyb	Dairyland Seed Co.	1.96	1.23	1.48	0.68	5.14	6.61
Average		2.51	1.64	1.70	1.07	6.88	6.93
LSD _(0.05)		NS	NS	NS	NS	NS	0.49

¹Trial conducted at the Arkansas Valley Research Center.

²Three replications only, some frost damage.

³Table is arranged by decreasing, 2005 total yield.

⁴Yield is on air-dry basis.

Site information:

Irrigation dates (2005): 3/24, 4/27-28, 6/6-8, 7/12, 8/24, and 11/10.

Fertilizer application: 150 lb/acre of 11-52-0 on 11/11/04 and on 11/9/05.

Comment:

The 2005 yields were highly variable (CV of 17 to 29%) due to drought stress (North half) and soil compaction.

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