



2008 Alfalfa Variety Trial Report

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The purpose of forage cultivar evaluation is to aid producers in the selection of the best cultivars for their farm. The data in the following tables were conducted using plot design, experimental techniques, and management that were considered best management practices for each crop. These studies were planted in spring, 2008, and were only irrigated to aid in establishment.

Least significant difference (LSD) values at the five percent level are shown at the bottom of each table. Within any table, yields of any two varieties being compared must differ by at least this amount to be considered different in yielding ability. Also, coefficient of variation (CV %) values are shown at the bottom of each table. This value is a measure of the consistency of yields found within each study.

Table 1: Yield of alfalfa varieties during 2008 at the East Tennessee Research and Education Center in Knoxville.

Planted April 24, 2008 Variety	Yield (lb DM/acre)		
	July 3	Sept. 2	Total
Evermore	1397	1582*	2979*
Phoenix	1366	1430*	2796*
Farm Pro Anchormate	1379	1470*	2849*
Baralfa 53HR	1424*	1414*	2838*
Rebound 5.0	1342	1538*	2881*
DKA50-18	1560*	1449*	3009*
Genoa	1344	1318	2663*
Mountaineer 2.0	1668*	1475*	3143*
Ameristand 407TQ	1829*	1440*	3270*
WL 363 HQ	1134	1369*	2503
PGI 459	1511	1697*	3209*
LSD (P=.05)	424.5	365	618
CV (%)	17	14.5	12

* yielded statistically the same as the top yielding variety



Table 2: Yield of alfalfa varieties during 2008 at the Highland Rim Research and Education Center in Springfield.

Planted April 18, 2008 Variety	Yield (lb DM/acre)		
	July 2	Sep. 8	Total
Evermore	1685*	1210*	2895*
Phoenix	1826*	1105	2931*
Farm Pro Anchormate	1679*	1113	2793
Baralfa 53 HR	1783*	1084	2867*
Rebound 5.0	1826*	1090	2916*
DKA50-18	1778*	997	2775
Genoa	1911*	1101	3012*
Mountaineer 2.0	1882*	1277*	3159*
Ameristand 407TQ	1940*	1093	3034*
WL 363 HQ	1778*	1111	2889*
PGI 459	1815*	1066	2882*
LSD (P=.05)	321	140	354
CV (%)	10	7	7

* yielded statistically the same as the top yielding variety

Table 3. Variety Information

Variety	Supplier	Commercially Available
Barfalfa	Barenbrug	Yes
Farm Pro Anchormate	Pro Seeds USA Inc.	Yes
Rebound 5.0	Croplan Genetics	Yes
Mountaineer 2.0	Croplan Genetics	Yes
DKA50-18	Monsanto	Yes
Genoa	NK Brand Seeds	Yes
Ameristand 407TQ	America's Alfalfa	Yes
WL 363 HQ	WL Research	Yes
PGI 459	Producer's Choice Seed	Yes
Evermore	Allied Seed	Yes
Phoenix	Allied Seed	Yes

This and other useful forage information can be found at the University of Tennessee forages web site.

<http://forages.tennessee.edu/>