

2013 Alfalfa Report

The forage cultivar evaluation program is a partnership between University of Tennessee Extension and UT AgResearch to aid producers in the selection of the best cultivars for their farm. This study was conducted using a randomized complete block design with three replications. The crop was grown using management practices considered to be the best for the crop, including fertilization according to soil test results.

Least significant difference (LSD) values at the 5 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.

Table 1: 2013 Yield of alfalfa varieties at the Highland Rim Research and Education Center at Springfield.

Variety	Springfield							
	Yield (ton DM/acre)							3 Year Total
	2011 Total	2012 Total	2013				Total	
May 24			Jun 26	Jul 26	Sep 4			
Ameristand 407 TQ	1.09*	5.09*	1.57*	1.46*	1.13	0.90*	5.06*	11.23*
425RR	0.94	4.66	1.27*	1.40*	1.50*	1.16*	5.34*	10.95*
Evermore	1.14*	5.79*	1.48*	1.75*	0.92	1.01*	5.16*	12.09*
Phoenix	0.92	5.01	1.24*	1.45*	1.19*	1.07*	4.95*	10.88*
WL354HQ	1.29*	5.45*	1.49*	1.53*	1.19*	1.19*	5.39*	12.13*
LSD P=0.05	0.32	0.71	0.64	0.76	0.35	0.45	1.13	1.46
* yielded statistically the same as the top-yielding variety								
Planted May 11, 2011								

Table 2: Variety Information

Variety	Supplier	Commercially Available
Ameristand 407 TQ	America's Alfalfa	Yes
425RR	Allied Seed	Yes
Evermore	Allied Seed	Yes
Phoenix	Allied Seed	Yes
WL354HQ	W-L Research	Yes

This and other useful information can be found at your local extension office, or on our website.

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