

Table 1. Average grass, legume, and total forage dry matter production and quality (Least-squares means) from different treatments during the 2012-2013 cool-season growing period (Jan.-Apr.), Selma, AL, USA.

Forage type	Forage biomass dry matter			Forage quality	
	Grass	Legume	Total	ADF†	CP‡
	-----Ton/Acre-----			-----%-----	
Arrowleaf clover ( <i>Trifolium vesiculosum</i> )- Marshall ryegrass ( <i>Lolium multiflorum</i> )	1.57 <sup>ab*</sup>	0.75 <sup>c</sup>	2.67 <sup>bc</sup>	21.9	14.7 <sup>ab</sup>
Berseem clover ( <i>Trifolium alexandrinum</i> )- Marshall ryegrass	1.47 <sup>ab</sup>	0.30 <sup>d</sup>	2.07 <sup>cd</sup>	19.4	11.5 <sup>b</sup>
Crimson clover ( <i>Trifolium incarnatum</i> )- Marshall ryegrass	1.13 <sup>ab</sup>	1.97 <sup>a</sup>	3.94 <sup>a</sup>	22.8	15.7 <sup>a</sup>
Winter peas ( <i>Pisum sativum</i> )-Marshall ryegrass	1.18 <sup>b</sup>	1.22 <sup>b</sup>	3.30 <sup>ab</sup>	22.9	15.5 <sup>a</sup>
Marshall ryegrass	1.75 <sup>a</sup>	0.05 <sup>e</sup>	1.92 <sup>d</sup>	21.5	13.4 <sup>ab</sup>
Hairy vetch ( <i>Vicia villosa</i> )-Marshall ryegrass	1.68 <sup>ab</sup>	1.31 <sup>b</sup>	3.82 <sup>a</sup>	24.1	16.3 <sup>a</sup>

†ADF – Acid detergent fiber. ADF is the measure of fiber content in the forage biomass. Higher ADF means lower forage quality.

‡CP – Crude protein. CP is a measure of total nitrogenous compound, and eventually total protein present in the forage biomass. Higher CP means better forage quality.

\*Least-squares means within a column with different superscripts are different (P < 0.05).