

## Hay and Grass

Diet ingredient	General legume hay	Grass hay	Alfalfa hay
<b>Moisture (%)<sup>*&lt;88</sup></b>	9.1	8.5	9.1
<b>Gross Energy (kcal/kg)</b>	2700	2600	2600
<b>Crude Protein (%)</b>	21.2	10.8	18.6
<b>Crude fat (%)</b>	2.4	2.5	2.5
<b>Ash (%)</b>	10.6	7.6	11.0
<b>Total Carbohydrate (%)</b>	31.6	38.9	34.2
<b>Crude Fiber (%)</b>	25.0	31.8	24.6
<b>Sugars (%)</b>	7.2	7.4	6.8
<b>Starch (%)</b>	2.0	2.3	2.9
<b>Ca (mg/kg)</b>	15340	5170	14760
<b>P (mg/kg)</b>	2770	2430	2860
<b>Fe (mg/kg)</b>	362	174	727
<b>Cu (mg/kg)</b>	9.1	9.0	11.5
<b>Mn (mg/kg)</b>	35.3	68.6	58.2
<b>Zn (mg/kg)</b>	29.4	39.1	37.6
<b>Se (mg/kg)</b>	***		
<b>Mg (mg/kg)</b>	3070	2020	2940
<b>Na (mg/kg)</b>	1420	520	1590
<b>K (mg/kg)</b>	24050	18940	22410
<b>Vit C (mg/kg)</b>			
<b>Thiamin (mg/kg)</b>			
<b>Riboflavin (mg/kg)</b>			
<b>Niacin (mg/kg)</b>			
<b>Pantothenic acid (mg/kg)</b>			
<b>Pyridoxine (mg/kg)</b>			
<b>Folate (mg/kg)</b>			
<b>Oxalate (mg/kg)</b>			
<b>Choline (mg/kg)</b>			
<b>Vit B12 (ug/kg)</b>			
<b>Retinol (ug/kg)</b>			
<b>β carotene (mg/kg)</b>			
<b>Vit E (mg/kg)</b>	15.0	15.0	15.0
<b>Vit K (mg/kg)</b>			

\*All nutrients, except moisture, are presented on a Dry Matter Basis for accurate comparison

\*Data gathered from Dairy One Forage Library (<http://www.dairyone.com/Forage/FeedComp/MainLibrary.asp>), and Nutrient Requirements of Small Ruminants (2007).

\*\*\*Blank entries reflect lack of data

Updated 12/08

