

The Concentrate to Forage Ratio of Complete Feed Silage on Nutrient Consumption

Publons ID	37712317
Wos ID	WOS:000519990700052
Doi	10.1088/1755-1315/372/1/012052
Title	The Concentrate to Forage Ratio of Complete Feed Silage on Nutrient Consumption
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Publish Date	2019
Journal Name	1ST ANIMAL SCIENCE AND FOOD TECHNOLOGY CONFERENCE (ANSTC) 2019
Citation	
Abstract	<p>The aimed of this research to examine the effect of the concentrate to forage ratio of complete feed silage on crude protein, crude fiber, TDN and fat consumptions. Five types of the ensilage of complete feed treatments consisted of T-1 = concentrate 26% + A + Napier grass 70%, T-2 = concentrate 36% + A + Napier grass 60%, T-3 = concentrate 46% + A + Napier grass 50%, T-4 = concentrate 56% + A + Napier grass 40% and T-5 = concentrate 66% + A + Napier grass 30%, that is A = (molasses 1,5% + urea 0,5% + salt 0,5% + mineral mix 1,5%). Twenty of local male sheep with a body weight 12.5 - 22.5 kg divided into 4 blocks were used in this experiment. The parameters measured were the consumptions of crude protein, crude fiber, TDN and fat. The results showed that treatment had highly significant effect ($P < 0.01$) on consumptions of crude protein, crude fiber, and TDN, but had a significant effect ($P < 0.05$) on fat consumption. The conclusion of this study that the P3 treatment is the best concentrate to forage ratio of complete feed silage for fattening because it has the highest consumptions of crude protein 131.01 +/- 4.05, crude fiber 103.06 +/- 3.33, TDN 655.80 +/- 18.74 and fat 55.84 +/- 1.83 gram/day/head.</p>
Publish Type	Book in series
Publish Year	2019
Page Begin	(not set)
Page End	(not set)
Issn	1755-1307
Eissn	
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000519990700052
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