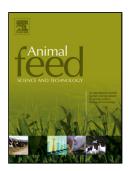
### Accepted Manuscript

Title: Effects of rumen undegradable protein on intake, digestibility and rumen kinetics and fermentation characteristics of dairy heifers

Authors: Alex L. Silva, Edenio Detmann, Luciana N. Rennó, Alexandre M. Pedroso, Marta M.S. Fontes, Valber C. Morais, Anna L.L. Sguizzato, Marcelo B. Abreu, Polyana P. Rotta, Marcos I. Marcondes



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## ACCEPTED MANUSCRIPT

#### Effects of rumen undegradable protein on intake, digestibility and rumen kinetics

#### and fermentation characteristics of dairy heifers

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#### **Highlights:**

- Voluntary feed intake is not affected by rumen undegradable (RUP) protein supply.
- Urinary nitrogen excretion tended to decrease as RUP supply increased.
- The level of 51% of RUP in the dietary CP is adequate for growing dairy

heifers.

#### Abstract

The aim of this work was to evaluate the influence of increasing amounts of rumen undegradable protein (RUP) on intake, nutrient digestibility, rumen kinetics and fermentation characteristics and N use efficiency of dairy Holstein heifers. Eight rumencannulated Holstein heifers (initial body weight  $276 \pm 8.3$  kg) were used in a replicate 4 Download English Version:

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