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Title: Replacing maize silage with red clover silage in total mixed rations for dairy cows: In vitro ruminal fermentation characteristics and associative effects

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Highlights

- The effect of replacing maize silage with red clover silage (RCS) was studied *in vitro*.
- Gas production and utilizable crude protein (uCP) decreased with increasing levels of RCS.
- Positive associative effects were found for gas production and uCP, and were reduced with increasing incubation time and level of RCS.
- We suggest the feed value of diets was reduced with each increasing level of RCS.

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