



KEY-WORDS:
SUSTAINABILITY - ANIMAL WELFARE-
GREENHOUSE GASSES

PROFILE

I am a first-year PhD student specialized in environmental sustainability in dairy cows.

AFFILIATION

Department of Animal Science, Food and Nutrition (DiANA)
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LANGUAGES



Mother language



Level B2

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PROJECT TITLE

Mitigation of Greenhouse gasses in dairy cows with feeding strategies

Steps of the research

- Evaluation of the efficacy of products that can be used as dietary supplement in dairy cows to reduce methane synthesis in forestomaches and improve digestibility of the diet
- Monitoring of ammonia emissions in manure treated with different products
- Based on the results obtained, study the best strategies to reduce greenhouse gasses and ammonia emissions.

Main Results

The treatment should reduce significantly enteric emissions of methane, an improvement of digestibility is also expected, with a better nitrogen use efficiency, that contributes to the reduction of ammonia emissions from manure. Positive effects on milk yield, health and animal welfare are expected.

Research Contribution

Data obtained from this research may confirm the efficacy of additives that can be used to contrast GHG and ammonia emissions in the livestock sector.

Why should you care?

The mitigation of greenhouse gasses emitted by ruminants in the atmosphere, in particular methane, is necessary to contrast global warming. The containment of ammonia emissions is equally important, although it is not a GHG, because they are linked to the production of fine particulate in the atmosphere