



KEY-WORDS:
DAIRY COW · NUTRITION · HOLSTEIN –
BROWN SWISS – FEEDING BEHAVIOUR

PROFILE

I am a second-year PhD student in Animal Science specialized in Dairy Nutrition and Management. Dairy Breeder and Brown Swiss Breed Expert.

AFFILIATION

Department of Animal science,
Food and Nutrition (DIANA)
Università Cattolica del Sacro Cuore
ANARB (National Brown Swiss
Association)
Ordine Dottori Agronomi Piacenza

LANGUAGES



Mother language



Level B1

HOW TO REACH ME

Email Address:
alessandro.catellani@unicatt.it

Reference Contact

Prof. A. Gallo
Prof. E. Trevisi

PROJECT TITLE

Comparison for feed efficiency and feeding behaviour, immune-metabolic status and productive performance of Brown Swiss and Holstein Dairy Cows

Steps of the research

- Analysis of the effects of different nutrition system (only hay and hay/silage) on the performance, feeding behavior, dry matter intake, rumination time and feed efficiency for dairy cows .
- Identify the difference of the immune-metabolic status, productive performance and nutrition between Brown Swiss and Holstein cows at first calving.
- Validation of new index for rating forages, especially alfalfa hay, to improve the quality milk production
- Propose new guidelines for the feeding management of dairy cows
- Identify the difference of the immune-metabolic status, productive performance and nutrition between Brown Swiss and Holstein adult cows in the same breeding environment
- Take the difference between Holstein and Brow Swiss to improve their management and feed efficiency

Main Results

Different forages system led different feeding management to improve production efficiency. Brown Swiss cows at the first calving have different immune-metabolic status and feeding behavior instead of Holstein cows.

Why should you care?

The main goal for dairy breeder is to maximize the quantitative and quality milk production, with lower costs and more sustainable. When validated, all the data analyzed will can improve the management ,welfare and efficiency of Brown Swiss and Holstein dairy cows and the nutrition of different forages system for an higher quality milk production.