Dottorato di ricerca in Scienze Veterinarie [XXXIII] CICLO - Anno di corso: [1°]
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A sistematic review about feed chemical composition variability

Objective: This review aim to evaluate the possible causes of varibility in the chemical composition of animal feed.

Materials and Methods: a sistematic review on scopus using words as corn, soybean, sunflower and chemical composition.

Results: literature research showed that there are several factors influenzing chemical composition of feed such as: genetic, fertilization, watering and also geographic area of cultivation, humidity and soil carachteristics.

Future Proposal: keep analyzing this causes in order to try to predict the chemical composition of the feed arriving at the feed mill. This will allow us to improve the precision in feed making process using dynamic formulation.

Period Abroad/at Company: Progeo SCA, R&D department

Use of Algomilk software for a precision feeding in dairy cows farming

Objective: maximise the feeding precision in order to enhance the IOFC and feed efficency.

Materials and Methods: use and implementation of Algomilk software.

Results: it's shown that it's possible to improve the profit of a dairy farm not only increasing the milk yeald but also reducing the feed cost with a more accurate managing and feeding.

Future Proposal:
Optimizing the use of Algomilk in the University farm in order to reduce feed cost, emission and waste. In the same way increasing IOFC and quality of managment of the farm.