

Target group

- * Ruminant Nutritionists (researchers, local consultants)
- * Veterinarians
- * Advisors and Nutritionists of local compound feed or premix industries (medium and large scale)
- * Responsibles of large Dairy Farms
- * Dairy Farm Advisers (extension services)
- * Heads of Farm Cooperatives

Requirements

- * Bachelor of Science's degree of minimum 3 years or equivalent
 - * Basic science training in animal nutrition, veterinary science and/or animal biology, computer science and basic statistics
 - * Command of the English language (see website for more details)
 - * Min. 2 years professional experience in applied ruminant nutrition
 - * Max. 45 years of age
- More details on our website:
www.dairynutrition.ugent.be

Scholarships

- * Belgian Institutions: VLIR-UOS (www.vliruos.be), BTC, VNGO
- * African Institutions: AFDP, SADC, BCEAO, BOAD, OAU
- * International Institutions: EU, UN, FAO, WHO, UNDP, UNESCO, Worldbank, IsDB, others



Deadlines

- Application:
- * VLIR-UOS scholarship applicants:
15/03/2016
 - * Participants needing visa:
15/05/2016
 - * Other participants: 15/06/2016

To apply go to our website:
www.dairynutrition.ugent.be

Responsibles

The collaboration between Ghent University, University College Ghent, Liège University, Gembloux, Utrecht University (The Netherlands) and invited guest speakers from tropical regions guarantees that the modules are covered both by specialists with their main domain of expertise in developing countries as well as in the industrialized world.

Contact

Sylvia Decocker
(itp.dairynutrition@UGent.be)
Phone: ++ 32 9 264 90 02
Fax: ++ 32 9 264 90 99



DEPARTMENT OF ANIMAL PRODUCTION
Laboratory for Animal Nutrition and Animal Product Quality

International Training Program – Dairy Nutrition (03/10/2016– 13/12/2016)



vliruos
SHARING MINDS, CHANGING LIVES

www.dairynutrition.ugent.be
www.lanupro.ugent.be



Background

Dairy production is of increasing importance in the tropics. Sustainable intensification of dairy production requires optimal use of animal genetic and feed resources. However, lack of up to date knowledge on nutritional characteristics of local feed resources, feed conservation and technology is one of the major constraints to sustainable increase of livestock production in market-oriented dairy farms. Additionally, on-farm recording of milk production and reproductive performance might help to improve dairy diet formulation. This training program focuses on dairy nutrition and its relation with animal productive and reproductive performance as well as milk composition and quality. With this training program we hope to contribute to the generation, distribution and use of 'knowhow' on dairy nutrition based on locally available feedstuffs, and consequently to a more sustainable rural and overall economic development with this training program



Program

In this *International Training Program on Dairy Nutrition*, particular attention will be given to challenges in dairy nutrition and its solutions with emphasis on local feed resources in tropical regions. This is a specialized and hands-on course divided into 5 major modules and 2 integration modules:

Major Modules

Feed Resources — nutritional characterization of fresh and conserved feedstuffs and roughages, functional properties and legislation of additives and shortages linked to local feed resources;

Feed Formulation — formulation of diets using local feed resources to cover the needs of animals within different physiological stages and with focus on optimization of feed conversion efficiency, limiting excretions, optimizing product quality and guaranteeing reproduction;

Feed Technology and Management of Feed Resources — introduction to 'Good Manufacturing Practices' and HACCP quality assurance during preparation of compound feeds. Preparation of compound feeds based on the previous feed formulation module and assessment of their quality. Discussion of case studies on successful management of roughages

and feed resources, contributing to environmental sustainability and guaranteeing year-round high quality roughages;

Integrated Assessment of Production Performance — interpretation of herd management data and milk recordings to optimise diet formulation and give nutritional advice to farmers. The latter will be simulated by presenting to the group;

Interpretation and Dissemination of Scientific Literature — scientific literature related to dairy nutrition will be interpreted by participants to formulate practical nutritional advice.

Integration Modules

Final End Work — prepared individually, in which participants will identify challenges to improve dairy farming in their home countries. Participants will be asked to bring information from a representative dairy system from their region and to propose relevant and applicable solutions for the problems faced in their working environment;

Transferrable Skills—Train the Trainer — design and propose, individually, a short training course with focus on relevant aspects of dairy nutrition, including benefits, target group, content and required expertise. Selected proposals will be presented and discussed in the group.

Overview of the Program

Module	Workform	Contact hours
Feed Resources	Lectures, assignments & practical exercises	96h
Feed Formulation	Lectures, assignments & guided exercises	44h
Feed Technology & Management of Feed Resources	Lectures, practical exercise & visit to feed company	36h
Integrated Assessment of Production Performance	Lectures, farm visit & assignment	48h
Interpretation & Dissemination of Scientific Literature	Guided interpretation & analysis of scientific articles	32h
Final End Work	Individual work & oral presentation	16h
Transf. skills—Train the Trainer	Individual work & oral presentation	16h