



Aquafeed Platform EUROPE 2016

18th Practical Short Course: Trends and Markets in Aquaculture Feed Ingredients, Nutrition, Formulation and Optimized Feed Production and Quality Management

Novotel Gent Centrum, Ghent, Belgium - 5 & 6 December 2016

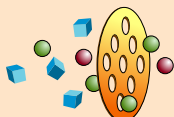
With additional shrimp farm and fish farm visits and training

SHORT COURSE ORGANIZERS

www.smartshortcourses.com

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SPEAKERS

- Mr. Joseph Barbi**, President, E.S.E. & INTEC, U.S.A.
- Mr. Hans Boon**, Consultant, Aquaculture Experience, the Netherlands
- Mr. Alain Brisset**, Key Markets Global Manager, Clextal, France
- Mr. Lenny Dauw**, Senior Bestmix Consultant, Adifo, Belgium
- Dr. Ignace Debruyne**, Technical Marketing Consultant, ID&A, Belgium
- Mr. Eric De Muylder**, Shrimp & Aquaculture Consultant, CreveTec, Belgium
- Mr. Johan den Hartog**, Managing Director, GMP+ International, the Netherlands
- Mr. Thomas Ellegaard Mohr**, Application & Sales Petfood & Aqua Feed, Andritz, Denmark
- Mr. Rui Alexandre Gonçalves**, Technical Manager - Aquaculture, Biomin, Austria
- Mr. Freddy Holle**, Regional Sales Manager, Rotex Europe, the Netherlands
- Mr Arian Issel**, Process Engineer, Amandus Kahl Germany
- Dr. Süreyya Özkizilcik**, Aquaculture Nutrition Expert, Nutra Yem, Turkey
- Mr. Álvaro Rodríguez Sanchez-Arevalo**, Responsible aquaculture division Liptoqua, Liptosa, Spain
- Mr. Nicola Tallarico**, Technical Service Manager Animal Nutrition and Health - EMEA, Kemin Europe, Belgium
- Mr. Alexander Van Halteren**, Business Development Manager Aquaculture AP & EMEA, NutriAd International, Belgium
- Dr. Koen Vanhoutte**, Algae Consultant, Navicula, Belgium
- Mr. Louis van Deun**, Darling International Inc, Netherlands

DAY 1: Monday, December 5, 2016

8:50 Opening Remarks

MARKET TRENDS - FEED INGREDIENTS

9:00 **Current and Future Market Trends in Aquaculture Feed**, Dr. Ignace Debruyne, ID&A, Belgium

PRACTICAL CONSIDERATIONS IN FEED FORMULATION

9:30 **Nutritional Requirements of Fish**, Dr.Süreyya Özkizilcik, Nutra Yem, Turkey
 10:00 **Reducing Feed Cost in Aquaculture Through Digestive and Metabolic Enhancement**, Mr. Alexander Van Halteren, NutriAd, Belgium
 10:30 Coffee/Tea Break
 11:00 **New Protein Sources for Aquafeed**, Mr. Eric De Muylder, CreveTec, Belgium
 11:30 **Micro-Feed Production Technologies**, Dr.Süreyya Özkizilcik, Nutra Yem, Turkey 12:00

DISEASE PREVENTION AND MANAGEMENT

12:00 **Development of Concepts for Disease Prevention in Shrimp Farming**, Mr. Rui Gonçalves, Biomin, Austria
 12:30 Lunch Break and Networking
 13:30 **Natural solutions for parasite diseases**, Mr. Álvaro Rodríguez Sanchez-Arevalo, Liptosa, Spain
 14:00 **Functional Feed Additives to Prevent Shrimp Diseases**, Mr. Alexander Van Halteren, NutriAd, Belgium

FEED MILL MANAGEMENT AND QUALITY ASSURANCE

14:30 **From Least Cost Formulation to Least Cost Production**, Mr. Hans Boon, Aquaculture Experience, the Netherlands
 15:00 Coffee/Tea Break
 15:30 **Relevance of GMP+ Feed Safety & Sustainability Certification for Aquaculture**, Mr. Johan den Hartog, GMP+ International, the Netherlands
 16:00 **Feed Mill Management and setup for Competitive Market Access**, Mr. Hans Boon, Aquaculture Experience, the Netherlands
 16:30 **Critical Issues in Shrimp Feed Production Technology**, Mr. Eric De Muylder, Crevetec, Belgium
 17:00 **Aquafeed Quality: Lipid Oxidation and Stabilization Strategies**, Mr. Nicola Tallarico, Kemin Europe, Belgium
 17:30 **Mycotoxins in Aquaculture Feeds and Raw Materials**, Mr. Rui Gonçalves, Biomin, Germany
 18:00 End of Day 1

DAY 2: Tuesday, December 6, 2016

INGREDIENTS AND FORMULATION

9:00 **Stabilize Feed Quality Using Lot Optimization**, Mr. Lenny Dauw, ADIFO, Belgium
 9:30 **Utilization of Micro- and Macroalgae in Aquafeed: Hatcheries; Nutrition**, Dr. Koen Vanhoutte, Navicula, Belgium
 10:00 **Utilization Animal By-Products in Aqua Feed**, ir. Louis van Deun, Darling International, The Netherlands
 10:30 Coffee/Tea Break
 11:00 **Use of Soy Protein Concentrate in Aquafeed Formulas**, Dr. Süreyya Ozkizilcik for CPM Crown Iron Works, U.S.A.

PREPARING for EXTRUSION

11:30 **Grinding for Feed prior to Extrusion - Feed Pelletization**, Mr. Josef Barbi, E.S.E. Intec, U.S.A.
 12:00 **Proper Screening Allows Good Nutritional Quality Feed, Optimizes Production, and Reduces Losses**, Mr. Freddy Holle, Rotex Europe, The Netherlands
 12:30 Lunch Break and Networking



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EXTRUSION TECHNOLOGY

13:30 **Fundamentals of Extrusion Technolog - How Fish Feed Challenges Generate Innovation in Extrusion Technology**, Mr. Alain Brisset, Clextral, France
 14:30 **Conditioning and Extruding Floating and Sinking Feeds**, Mr. Thomas Ellegaard Mohr, Andritz Feed, Denmark
 15:00 Coffee/Tea Break

POST EXTRUSION PROCESSES

15:30 **Extrudate Coating, Absorption Coating by Means of Vacuum and Micro Encapsulation**, Mr. Thomas Ellegaard Mohr, Andritz Feed, Denmark
 16:00 **New Gentle Coating Technology for Fish Feed**, Mr Arian Issel, Amandus Kahl Germany
 16:30 **Pre-Processing Preparation - Dosification - Mixing Of Macro - Minor And Micro Ingredients and Liquids for Specialty Feeds**, Mr. Josef Barbi, E.S.E. Intec, U.S.A
 16:50 **Post Processing - Handling And Storage of Quality Extruded and Pelleted Feeds**, Mr. Josef Barbi, E.S.E. Intec, U.S.A.
 17:15 End of Short Course

OPTION 1 - DAY 3, December 7, 2016 (paid event; max 25 participants per day)

Visit to CREVETEC Eric's Gamba's Shrimp Farm with dedicated training

8:00 Travel to CREVETEC shrimp farm (bus trip included) - coffee & crtoissants at arrival
 9:00 **Technical Presentations and Interactive Discussion**, Mr. Eric De Muylder and co-workers
 - Introduction
 - Shrimp farming Techniques
 - Shrimp Nutrition and Feed Management
 10:30 Coffee/Tea Break / Belgian Chocolates
 11:00 **Technical Presentations and Interactive Discussion**, Mr. Eric De Muylder and co-workers
 - Shrimp Hatchery Techniques
 - Shrimp Farming with Bioflocs
 12:30 Lunch with local shrimp
 13:30 **Technical Presentations and Interactive Discussion**, Mr. Eric De Muylder and co-workers
 - The CREVETEC Shrimp Farming System
 14:30 Visit the CREVETEC Shrimp farm (small groups of 5 people)
 16:00 Belgian Beer tasting
 17:00 Travel back to Ghent

OPTION 2 - DAY 3, December 7, 2016 (paid event; max 30 participants; cannot be combined with Option 3)

Visit to Joosen-Luyckx AQUABIO Sturgeon Farm

9:00 **Travel to AQUABIO farm** (bus trip included) - coffee at arrival
 10:00 **Technical Presentations of the AQUABIO production system and Aquafeed portfolio**, Dr. Willy Verdonck
 10:30 **Visit the AQUABIO sturgeon farm** (small groups)
 11:30 Travel back to Ghent

OPTION 3 - DAY 3, December 7, 2016 (paid event; max 30 participants; cannot be combined with Option 2)

Visit to OMEGABAARS integrated BREAM and tomato aquaponics farm

9:00 **Travel to OMEGABAARS farm** (bus trip included) - coffee at arrival
 10:00 **Technical Presentations of the OMEGABAARS production system and Aquafeed portfolio**, Mr. Stijn Van Hoestenbergh
 11:00 **Visit the OMEGABAARS farm** (small groups)
 12:30 Travel back to Ghent