



33rd Annual Feed, Pet Food, & Aquafeed Extrusion Short Course

Daily Agenda

Monday, February 5, 2024

Time	Topic	Speaker
8:00 - 9:15	Introduction and Principles of Extrusion	Mian N. Riaz
9:15 - 10:00	Pet Food: Global Market Trends	Lindsay Beaton
10:00 - 10:15	Coffee Break	
10:15 - 11:15	Bulk Material Handling in Extrusion Processes	Bryan Watts
11:15 - 12:00	Principles of Dry Extrusion & its Applications in Feeds, Pet Food & Aqua Feed	Katie Mayo
12:00 - 1:30	Lunch Break and Campus Tour	
1:30 - 2:15	Dry Extrusion of Full Fat Soy and Partially Defatted Soybean Meal	Katie Mayo
2:15 - 3:00	Plant Dust Collection and Weighing / Feeding	Bryan Watts
3:00 - 3:15	Coffee Break	
3:15 - 4:15	Solutions to Common Grinding Problems	Doug Kitch
4:15 - 5:00	How to Establish a Pet food & Aqua Feed Extrusion Facility Step by Step Guideline	Claire Weichelt

Tuesday, February 6, 2024

Time	Topic	Speaker
8:00 - 8:45	Formulating Natural Pet Foods	Sara Cutler
8:45 - 9:45	Principles of Aquaculture Nutrition – Part 1	Delbert Gatlin
9:45 - 10:00	Coffee Break	
10:00 - 11:00	Optimizing Pet Food & Aqua Feed Quality: Oxidation Control & Microbial Growth Control	Sara Cutler
11:00 - 12:00	Pet Food and Aqua Feed Palatability	Brandon Senne
12:00 - 1:30	Lunch Break and Campus Tour	
1:30 - 2:45	Principles of Aquaculture Nutrition: Part II	Delbert Gatlin
2:45 - 3:00	Coffee Break	
3:00 - 4:00	Continuous Spray & Coating Systems for Pet Food and Aquafeed	Caleb Townsend
4:00 - 5:00	Preconditioning Technology for Feed, Pet food & Aqua Feed Production	Will Henry

Wednesday, February 7, 2024

Time	Topic	Speaker
8:00 - 9:15	Drying and Cooling Systems for Pet food and Aqua feed	Aldo De Tuoni
9:15 - 10:15	Single & Twin-Screw Extruders & Their Applications in Feeds, Pet Foods & Aqua Feed	Will Henry
10:15 - 10:30	Coffee Break	
10:30 - 11:15	Automation of the Extrusion Plant	Jerome Oesch
11:15 - 12:00	Raw Materials for Extrusion Processing	Will Henry
12:00 - 1:30	Lunch Break and Campus Tour	
1:30 - 2:30	Controlling Quality with Process Automation	Scott VanDalsem
2:30 - 3:15	NIR Analyzer on Ingredients and Pet Feed and Aqua Feed	Steve Watts
3:15 - 3:30	Coffee Break	
3:30 - 4:15	Food Safety and Extrusion Processing	Jay Pokorny
4:15 - 5:00	Class activity for on-site participants	Cristian Paredes

Thursday, February 8, 2024

Time	Topic	Speaker
8:00 - 9:00	Commercial Vitamin Product Forms, Vitamin Premixes, & Their Perf. in Feed, Pet & Aqua Feed	Jon Bergstrom
9:00 - 10:00	Ultra-Fine Grinding for Aquatic Feed and Pet Food Treat	Phil Erickson
10:00 - 10:15	Coffee Break	
10:15 - 11:00	Alternative Ingredients for Pet Foods and Aqua Feed	Gary Davenport
11:00 - 12:00	Micro Aquatic Feeds	Dana Nelson
12:00 - 1:30	Lunch Break and Campus Tour	
1:30 - 2:45	Processing of Extruded Aqua Feeds	Dana Nelson
2:45 - 3:00	Coffee Break	
3:00 - 4:00	Extrusion Maintenance and Troubleshooting	Cristian Paredes
4:00 - 5:00	Class activity for on-site participants	Cristian Paredes

Friday, February 9, 2024

Time	Topic	Speaker
8:00 - 9:15	Feed Requirements for Aquaculture Species	Delbert Gatlin
9:15 - 10:00	Odor Control in Aqua Feed and Pet Food Manufacturing Plants	Michael Keras
10:00 - 10:15	Coffee Break	
10:15 - 11:00	Vacuum Infusion Coating Principles for Pet Food and Aqua Feed	Wayne Busilla
11:00	Course Wrap Up	Mian Riaz