

PLANNED PROGRAM

# Aquafeed Extrusion Technology

CHILE | 23- 25 OCTOBER 2023

Program may be subject to minor changes.

## DAY ONE

Monday, 23 October 2023

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09:15	Introduction & Welcome
09:30	Overview of the Extrusion Process
10:00	Extruder Configurations - Single & Twin Screw
11:00	<b>Morning Break</b>
11:30	Ingredients & Their Effects
12:15	Role of Rheology in Extrusion Processing
13:15	<b>Lunch</b>
14:15	Principles of Die Design
15:00	Preconditioning for Extrusion
15:45	<b>Afternoon Break</b>
16:15	Pellet Quality Measurement
17:00	Product Formulation Example
17:45	<b>Close Day One</b>

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## DAY TWO

Tuesday, 24 October 2023

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09:15	Review Day One
09:30	Product Density Control
10:15	Causes & Effects of Instabilities During Extrusion Processing
11:00	<b>Morning Break</b>
11:30	Single Screw Extruders vs Twin Screw Extruders
12:30	Screw, Barrel & Die-plate Wear
13:15	<b>Lunch</b>
14:15	Demonstration Pre-recorded in Pilot Facility Review of Demo Extruder Start-up Video & Discussion
16:15	<b>Afternoon Break</b>
16:45	Optimal Extruder Configurations
17:30	<b>Close Day Two</b>

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## DAY THREE

Wednesday, 25 October 2023

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09:15	Review so far
09:30	Die Design & Extruder Configuration Examples
10:15	Paste Viscosity Measurement & Extruded Product Quality
11:00	<b>Morning Break</b>
11:30	Influence of Energy Input on Product Water Solubility
12:15	An Engineering Analysis of the Venting Section of an Extruder
13:00	<b>Lunch</b>
14:00	The Vacuum Infusion Process
14:45	Scale-up & Process Transfer
15:30	Extrusion Troubleshooting
16:15	<b>Afternoon Break</b>
16:45	Extruded Product Quality Assurance & How to Achieve It
17:15	<b>Final Discussion, Close of Course</b>