

PLANNED PROGRAM

# Petfood Extrusion Technology

CHILE | 12 - 14 SEPTEMBER 2022

Program may be subject to minor changes.

## DAY ONE

Monday, 12 September 2022

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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	Basic Science of Extrusion
12:15	Role of Rheology in Extrusion Processing
13:15	<b>Lunch</b>
14:15	Principles of Die Design
15:00	Ingredients & Their Effects
15:45	<b>Afternoon Break</b>
16:15	Recipe Formulation Exercise
17:00	Preconditioning for Extrusion
17:45	<b>Close Day One</b>

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## DAY TWO

Tuesday, 13 September 2022

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09:15	Review Day One
09:30	The Dynamics of Product Expansion During Extrusion Processing
10:15	Causes & Effects of Instabilities During Extrusion Processing
11:00	<b>Morning Break</b>
11:30	Single Screw Extruders vs Twin Screw Extruders
12:15	Screw, Barrel & Die-plate Wear
13:15	<b>Lunch</b>
14:15	Demonstration Pre-recorded in Pilot Facility Review of Demonstration Extruder Startup 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, 14 September 2022

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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	Scale-up & Process Transfer
12:15	Effect of Processing on Feeding Quality of Dry Pet Food
13:00	<b>Lunch</b>
14:00	Semi-moist Pet Snacks & Treats
14:45	Product Coating Technology
15:30	Extrusion TroubleShooting
16:15	<b>Afternoon Break</b>
16:45	Extruded Product Quality Assurance & How to Achieve It
17:15	Close of Course