

PLANNED PROGRAM

Food & Feed Extrusion Technology

WERRIBEE | 31 July - 2 August 2023

Subject to minor changes.

DAY ONE

Monday 31 July, 2023

08:15	Registration
08:30	Introduction & Welcome
08:45	Extrusion Processing
09:15	Principles of Extruder Configuration
10:00	Morning Break
10:15	The Role of Ingredients in Extrusion Processing Raw
11:00	Materials preparation -- <i>Mixing & Grinding</i>
11:45	The role of the Preconditioner in Extrusion Processing
12:30	Lunch
13:15	The Role of Rheology in Extrusion Processing
13:45	The Screw and Die characteristics
14:15	Principles of Die Design
15:00	Afternoon Break
15:15	<i>Tutorial 1</i> -- Conductance vs. Open Area
16:00	<i>Tutorial 2</i> -- Recipe Formulation Exercise
16:30	General Discussion
16:45	Close Day One



Dennis Forte and Associates, Pty. Ltd.

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DAY TWO

Tuesday 1 August, 2023

08:30	Review of Day 1 & Day Sponsor Introductions
08:45	Product Texture Development
09:30	Causes and Effects of Extruder Instabilities
10:15	Morning Break
10:30	Single Screw Extruders vs Twin Screw Extruders
11:15	Optimal Extruder Screw profiles
12:00	Lunch
12:30	<i>Tutorial 3 - Die Design & Extruder Configuration</i>
13:15	Pilot Plant Demonstration & Processing Videos
14:00	Review & Discussion of Pilot Plant Trials
14:45	Afternoon Break
15:00	Product Drying Technology
15:45	Product Coating Technology
16:15	General Discussion
16:30	Close Day Two



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DAY THREE

Wednesday 2 August, 2023

08:30	Review of Days 1 and 2
08:45	Screw, Barrel and Die Plate Wear
09:45	Morning Break
10:00	Scale-up & Process Transfer
10:45	Effect of Processing on Extruded Feeds
11:30	Cooking Viscometry -- Measuring Ingredients & Product Quality
12:15	Lunch
13:00	Co-Extrusion Technology
13:45	Post-Extrusion Processing Technologies
14:00	Process Trouble Shooting
14:45	Afternoon Break
15:00	Extrusion Process Interactions
15:45	Quality Assurance and How to Achieve It
16:30	General Discussion
16:45	End of Day 3