

PLANNED PROGRAM

Food & Feed Extrusion Technology

NEW ZEALAND | 7 - 9 AUGUST 2023

Subject to minor changes.

DAY ONE

Monday 7 August, 2023

Sponsored by



Registration

Introduction & Welcome

Extrusion Processing

Principles of Extruder Configuration

Morning Break

The Role of Ingredients in Extrusion Processing Raw

Materials preparation -- *Mixing & Grinding*

The role of the Preconditioner in Extrusion Processing

Lunch

The Role of Rheology in Extrusion Processing

The Screw and Die characteristics

Principles of Die Design

Afternoon Break

Tutorial 1 -- Conductance vs. Open Area

Tutorial 2 -- Recipe Formulation Exercise

General Discussion

Close Day One

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DAY TWO

Tuesday 8 August, 2023

Sponsored by



Review of Day 1 & Day Sponsor Introductions

Product Texture Development

Causes and Effects of Extruder Instabilities

Morning Break

Single Screw Extruders vs Twin Screw Extruders

Optimal Extruder Screw profiles

Lunch (*Clextral Promotional Video*)

Tutorial 3 - Die Design & Extruder Configuration

Pilot Plant Demonstration & Processing Videos

Review & Discussion of Pilot Plant Trials

Afternoon Break

Product Drying Technology

Product Coating Technology

General Discussion

Close Day Two

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DAY THREE

Wednesday 9 August, 2023



Review of Days 1 and 2

Screw, Barrel and Die Plate Wear

Morning Break

Scale-up & Process Transfer

Effect of Processing on Extruded Feeds

Cooking Viscometry -- Measuring Ingredients & Product Quality

Lunch

Co-Extrusion Technology

Post-Extrusion Processing Technologies

Process Trouble Shooting

Afternoon Break

Extrusion Process Interactions

Quality Assurance and How to Achieve It

General Discussion

End of Day 3