

PLANNED PROGRAM

High Moisture Extrusion Cooking

Extrusion of Plant-Based Meats

NEW ZEALAND | 10 - 11 AUGUST 2023

DAY ONE

Thursday 10 August, 2023

Sponsored by



Registration

Introduction & Welcome

Overview of Extrusion & HMEC

Principles of Extruder Configuration

Morning Break

Protein Chemistry & Transformations

Role of Rheology in Extrusion Processing & Product Flow

Lunch

Address by Day Sponsor

Ingredients for HMEC

Basic Principles of HMEC

Development of Optimal Extruder Profiles

Product Texture Analysis

Afternoon Break

Extrusion Demonstration #1 – Basic HMEC (or recorded video)

Review & Discussion

Close Day 1

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DAY TWO

Friday 11 August, 2023

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Review of Day 1

Preconditioning

Analysis of the Heat Transfer in a Long Cooling Die

Morning Break

Measurement of Raw Material Properties (RVA, PDI)

The Design of Cooling Dies for HMEC

Lunch

Optimisation of the HMEC Process

Post-Extrusion Processing Technology for HMEC

Afternoon Break

Extrusion Trial #2 - Improved HMEC Processing - Methods of Modifying/ Controlling Textural Attributes (Pre-recorded video)

Review of Trial Results

Closing Discussion

Closure of Course