

SESSION ONE – PASTURE FED DAIRY IN THE GLOBAL FOOD SUPPLY

A/ THE FUTURE OF PASTURE FED DAIRY

Chaired by Dr John Roche, Chief Science Adviser, MPI



A-1/ Is there a market for pasture fed dairy?



John Jordan

Chief Executive at Ornuia
(Ireland's largest exporter of dairy products)

John Jordan is the Chief Executive of Ornuia, owner of the Kerrygold brand and Ireland's largest dairy exporter, exporting to 110 countries worldwide. With a 25-year career in agribusiness, John was appointed CEO in 2018 to deliver on Ornuia's global strategy of product and geographic diversification.

Prior to his appointment, John held a number of senior roles in the business including CEO of DPI Specialty Foods, a division of Ornuia which is the third largest specialty food wholesaler and distributor in the US.

John is a graduate of Biotechnology from Dublin City University, with an M.Sc. from UCD and an MBA from Trinity College Dublin. John also serves on the Board of Ornuia Co-Op, Nextwave Distribution and is a member of the Advisory Board of Dublin City University Business School.

Ireland has a global reputation for sustainable, grass-fed dairy and is one of the few countries in the world where cows are predominantly fed grass. John Jordan, Chief Executive Ornuia, Ireland's largest exporter of dairy products, will discuss the benefits of Ireland's grass-fed production system and how this has led to the success of Kerrygold, Ireland's only €1 billion food brand.

A-2/ Global food company perspective



Robert Erhard

Head of Dairy, Corporate Sustainable Agriculture Development
at Nestlé; President of the Executive Committee of Sustainable
Agricultural Initiative (SAI) Platform

After various positions in Dairy sourcing, Robert heads Global Fresh Milk Sourcing and the ambitious Climate Net 0 Livestock program at Nestlé. Working collaboratively to solve common problems he has built and led multi-stakeholder initiatives such as the Nestlé Dairy Farming Institute in China, co-developed the Sustainable Dairy Partnership and currently is the President of the Sustainable Agriculture Initiative Platform (SAI P) with over 130 Food & Beverage member companies.

Providing a global food company perspective, Robert will look at what pasture dairy farming will be facing going forwards.

A-3/ Feeding a growing global population - the role for dairy?



Jeremy Hill

Professor - Sustainable Nutrition, Riddet Institute, Massey University; Chief Science & Technology Officer, Fonterra Cooperative Group

Fonterra CSTO since 2007 Jeremy has extensive experience in dairy, food and sustainability. Jeremy is a Past-President of the International Dairy Federation, helped establish and then govern the Global Dairy Agenda for Action (on sustainability and the environment) and also the Dairy Sustainability Framework, and lead the development of the Dairy Declaration of Rotterdam between the IDF and UN FAO on the sustainability of global milk production. In 2018 Jeremy was made an Adjunct Professor at the Riddet Institute, Massey University where he established the Sustainable Nutrition Initiative and co-developed the Delta Model

of the global food system. He is the current Chair of the Pastoral Greenhouse Gas Research Consortium and sits on the Board of the New Zealand Agricultural Greenhouse Gas Research Centre. Jeremy was made a Member of the New Zealand Order of Merit for services to science and the dairy industry in the 2020 Queens Birthday Honours.

At the 2018 Pasture Summit under the title of Connecting Consumers to the Sustainability of Dairy I made the statement that "I believe that pasture is best, milk is good, there is better milk and there is best". I talked about carbon footprints and I talked about a model of the global food system the Delta Model that the Riddet Institute was developing. In my 2021 presentation I will explain in more detail the work the Riddet Institute and our collaborators have done since the previous presentation to determine in detail the role that all foods play in the global food system and highlight the key role played by dairy. The audience will be introduced to the Sustainable Nutrition Initiative™ (www.sustainablenutritioninitiative.com), the purpose of which is to help create a better understanding of the food system and opportunities for improvement in order to sustainably feed the global population with the nutrients required.

Before we embark on changes to our diets or food supply, we need have a better understanding of the food system.

- ***Under what scenarios is it POSSIBLE for the global food system to provide the bioavailable nutrients to feed the global population?***
- ***What scenarios are PRACTICAL to achieve, for example in terms of level of change required, cost of that change or affordability of food?***
- ***What is the OPTIMAL scenario to deliver a sustainable food system?***

Using work undertaken in the SNI and using the Delta Model we will share some surprising facts with the audience including the role of milk: good, better, and best.

A-4/ Nutritional value of milk and benefits of “Grass-Fed”



Dr Tom O' Callaghan

Food Science and Technology Lecturer,
University College Cork, Ireland

Dr. Tom O'Callaghan is a lecturer in Food Science and Technology in the School of Food and Nutritional Sciences at UCC. Tom graduated from UCC with a BSc in Food Science in 2014 and PhD in Science in 2018. Tom's research has focused on chemistry, nutrition and processing technologies across the supply chain, with particular emphasis on the effects of production practices, cow feeding systems and dairy processing technologies on the quality, nutritional and functional characteristics of milk and dairy products. Tom is a principal investigator with Food For Health Ireland and the Dairy Processing Technology Centre and is an academic collaborator with VistaMilk an SFI Funded Research Centre.

Milk is a highly nutritious food product and a natural source of a variety of beneficial and essential nutrients. Grass-Fed milk and dairy products are becoming more prominent on the market, often commanding a premium price, driven by consumer perceptions of a more natural, nutritious and sustainable product choice. This session will explore the impact of pasture based feeding systems on the composition and quality of milk and highlight the attributes that provide Grass-Fed dairy products with their unique characteristics.
