



BIOPLASTICS WORKSHOP

How NZ industry can reap the benefits of the bioplastics boom

PROGRAMME

10.00 REGISTRATION AND MORNING TEA

10.25 WELCOME

**10:30 - 12:00 BIOPLASTICS:
WHAT THEY ARE, WHAT THEY'RE USED FOR AND WHY THE INTEREST**

An Introduction to bioplastics

An overview of the growing global consumer demand for bioplastics: current trends, market and regulatory drivers, and the great opportunities for innovative and early adopting New Zealand companies.

Jeremy Warnes, Scion

Bioplastics in focus

A breakdown of some of the types of bioplastics available today and those being developed for tomorrow. Each session will show you how they are currently used, the major suppliers, their advantages and any limitations, and processing requirements.

- **Starch bioplastics**
Dr Martin Markotsis, Scion
- **Cellulosic bioplastics**
Alan Adams, Innovia Films
- **Biopolyesters**
Dr Dawn Smith, Scion
- **Other emerging bioplastics technologies**
Dr Alan Fernyhough, Scion

12.00 - 13.15 QUESTIONS, LUNCH AND TOUR

Scion has extensive processing facilities to support its bioplastics research programmes. These range from small labs to pilot scale, and includes extrusion lines, injection moulding machines, computer controlled presses, film calendaring lines and foam production lines. During this short tour, delegates will have a chance to see these facilities and closely examine the products being produced on them.

13.15 - 14.45 BACKING UP THE CLAIMS: BIOPLASTICS AT WORK

Bioplastics "end-of-life" options and issues

Biodegradability and compostability - what's the difference? What are the guidelines, and possible pitfalls, for labelling and making claims about bioplastic products?

Alan Adams, Australasian Bioplastics Association

Ecological consumerism, carbon footprints and the relevance to kiwifruit exports, waste utilisation and bioplastics

Alistair Mowat, ZESPRI International Ltd

Case Study: From kiwifruit to plastic products

Using ZESPRI's waste streams to reduce costs while creating point of difference products. Includes an update on Scion's compostability testing facilities.

Dr Martin Markotsis, Scion

Case Study: E-PLA: A truly sustainable alternative to polystyrene(EPS) packaging and insulation

The international award winning Biopolymer Network E-PLA Technology.

Dr Kate Parker, Scion

14.45 - 15.05 OPEN FORUM AND AFTERNOON TEA

**15.05 - 15.45 MORE THAN PLASTIC:
IMPROVING BIOPLASTICS THROUGH ADDITIVES AND COMPOUNDING**

An overview of trends and developments in additives and compounds for bioplastics. An introduction to Scion's strategies and activities in bioplastics/plastics, additives, packaging and related developments.

Case Study: The Lignotech Story: using wastes and biomass residues in bioplastic products

How Scion is enabling a New Zealand company to succeed in the United States with biomass processing for plastics applications.

Case Study: The Mulford Biopeg: controllably degradable bioplastic

How Scion helped a New Zealand company successfully replace ABS or steel with bioplastic compounds.

Jeremy Warnes, Dr Alan Fernyhough, Scion

15:45 - 16:00 WHAT NEXT: HOW WE CAN HELP AND FUNDING ASSISTANCE

A chance for questions, to discuss your ideas and to find out how Scion can help. Information will include how to access assistance grants, and there will be opportunity for one-on-one conversations with the team.

Jeremy Warnes, Scion

16.00 (approx) CLOSE

To register or make enquiries, contact:

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