

Summary of MIRINZ Inc Projects

Max Kennedy & Chanel Partridge
Monday 15th September



- Established with funds from the sale of MIRINZ laboratories to AgResearch in 1999
- Jointly governed by MIA and M&WNZ
- All remaining MIRINZ Inc industry good R&D funding will be spent in the next year.



MIRINZ Inc Objective



To improve profitability in red meat processing in New Zealand

- Processing Efficiency
- Product Quality & Added Value
- Food Safety & Spoilage
- Overseas Regulations & Customer Requirements
- Health & Safety
- Environment

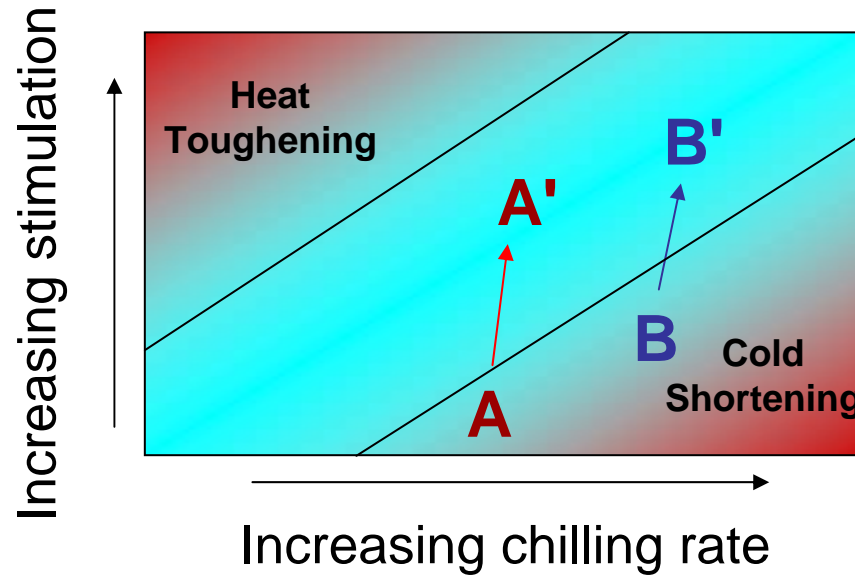
Ovine Dressing and Evisceration



- Streamline Current Manual Processes
- Contributing Funds to Initiate a Meat Automation Consortium
- Potential Co-funding from Government



Optimised Processing



Outcomes

- Reduced Aging Time,
- Reduced Purge/Drip Loss
- Improved Customer Satisfaction

Smart Stimulation



sheep smartstim
AMP

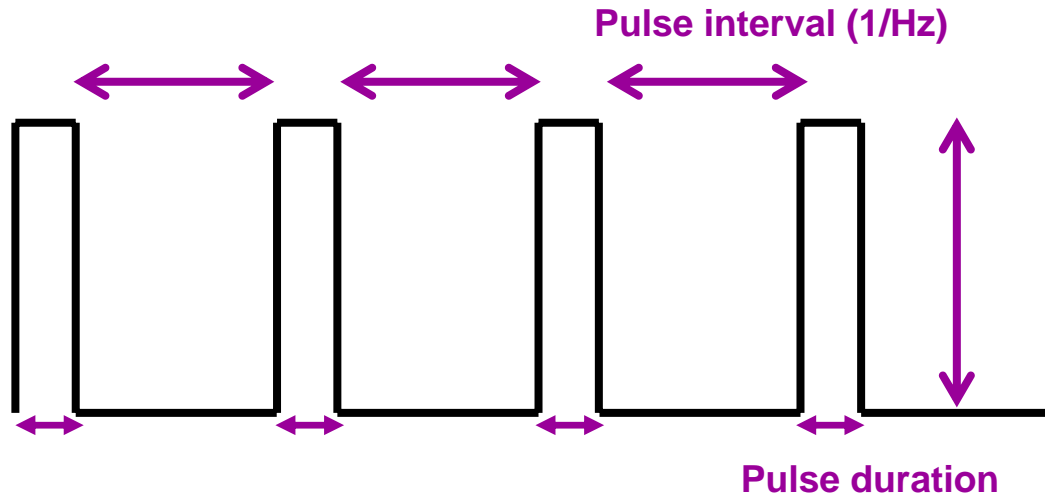
“Stimulation
Specific for Each
Carcass”

Outcomes

- Improved Consistency
- Improved Customer Satisfaction
- 100% Monitoring of Carcasses

Supertenderisation

“Targeted Tender in 24 Hours”



Outcomes

- Reduced Aging Time
- Improved Tenderness
- Improved Meat Quality

The Meat Stretcher (Boa)



“Stretch & Form”

Outcomes

- Improved Tenderness
- Reduced Drip Loss
- Improved Colour Stability
- Portion Control
- Upgrade low value cuts



Also funded by M&WNZ and MLA

Potential Future Developments



Nuclear Magnetic Resonance (NMR)



Near Infrared Spectroscopy (NIR)



- New range of measurement variables available
- Link market preferences to quantified measurements

NMR also funded by M&WZN and MLA. MIRINZ Inc has not funded NIR.

Where To Now



- Drive Commercialisation of existing portfolio
- Act as a Bridge to a New Meat Industry R&D Initiative