Welcome & Overview

Bridget Peachey – AWI
17 July 2018
What do you get when you lock an epidemiologist, entomologist, geneticist, parasitologist and an animal scientist in a room for the day?
Timeline of significant events in Breech Flystrike R, D & E

- AWI Breech Flystrike R&D Program established
- Tri-sollen® registered for mulesing (Bayer Australia)
- Categories for Non-Mulesed, Ceased Mulesed and Pain Relief included in the National Wool Declaration
- Anti-flystrike clips commercialised (Leader Products)
- AWA audits of AWI Breech Flystrike R&D Program undertaken every six months
- ParaBoss launched
- Australian Qualifications Framework endorse National Mulesing Accreditation Program training
- Buccalgesic® registered for mulesing (Troy Laboratories)

2005
- Visual Score Guide for Breech Flystrike Indicators released
- Partial Blowfly DNA gene sequence published
- Inaugural Biennial Breech Flystrike R&D Update held
- Australian Sheep Breeding Values for key breech flystrike traits released
- Sheep parasite ecdysone receptor - based screen identified potential new blowfly drug targets
- 73% of mulesed Merino receive pain relief
- Complete Blowfly DNA gene sequence published
- 10% of whole wool clip reported as Not Mulesed
- Managing Breech Flystrike Manual updated and released
- Metacam® registered for Pain and Inflammation (Boehringer-Ingelheim)

2006
- National Mulesing Accreditation Program released (Kondinin Group)
- Inaugural six monthly review of genetic progress in Breech Flystrike resistance undertaken
- Annual AWI Animal Welfare Forum established
- Visual Sheep Scores released
- Planning for a Non-Mulesed Merino Enterprise Manual released
THE FIVE KEY PILLARS OF AWI INVESTMENT
The Breech Flystrike Strategy provides direction for AWI investment in sound, scientific solutions for the management of breech flystrike to improve lifetime animal welfare, address supply chain expectations and increase the demand for Australian wool.

BREEDING AND SELECTION
THE AIM: Long term sustainable solutions to reduce the risk of breech flystrike.
- Understand the performance and economic consequences of breeding for reduced breech flystrike.
- Investigate the, as yet unknown, factors that cause breech flystrike.
- Improve the accuracy and robustness of breech flystrike traits along with other welfare traits such as worm resistance and survival.
- Better understand how to reduce the incidence of dags and urine stain through breeding.

BREECH MODIFICATION ALTERNATIVES
THE AIM: Breech modification alternatives to reduce the reliance on mulesing.
- Undertake further R&D to refine the application protocols for breech modification alternatives to support their commercial viability.

IMPROVED MANAGEMENT PRACTICES
THE AIM: Improved management practices to advance lifetime welfare.
- Invest in getting new parasite control treatments and vaccines to market.
- Ensure access to information on parasite management and use of existing chemical treatments.
- Investigate longer acting, cost effective pain relief options for painful husbandry practices.
- Support for further National Mulesing Accreditation Program (NMAP) training.

WOOL INDUSTRY TRAINING AND ENGAGEMENT
THE AIM: Adoption of best practice strategies to improve the lifetime welfare of sheep and reduce reliance on mulesing.
- Develop and implement education, training and extension strategies to improve lifetime welfare of sheep and reduce reliance on mulesing.
- Monitor, evaluate and improve the success of education, training and extension strategies.
- Engage with woolgrower advisors on the RD&E program.

SUPPLY CHAIN ENGAGEMENT
THE AIM: International and domestic stakeholders support the Australian wool industry.
- Regularly engage with domestic and international stakeholders to ensure they understand best practice management of breech flystrike and associated welfare implications.
- Minimise the risk of regulatory measures that may restrict the ability of woolgrowers to select the most appropriate practices for their farming system.
- Consult with Australian wool and sheep industry organisations.

THE FIVE KEY PILLARS FOR 2017/18 – 2021/22

THE STRATEGY

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Housekeeping

• Breaks
• Powerpoint presentations (www.wool.com)
• Evaluation of day
• Welcome Scott Williams – Forest Hill Consulting
Australian Wool Innovation acknowledges the support and commitment to the Breech Flystrike RDE program.