

National Primary Industries Animal Welfare RD&E Strategy Sydney

30th October 2014

Current & Emerging Welfare Priorities & Key Projects

Geoff Lindon AWI Program Manager
Productivity and Animal Welfare



Current and Emerging Welfare Priorities - Wool

Current Welfare Priorities

- Breech strike prevention
- Commercialisation of pain relief actives
- Longer acting & practical delivery of pain relief actives
- Awareness and training leading to practice change
- Lifting survival (dogs, longevity, exposure, management, stockmanship)



Welfare Issues of Increasing Priority

- New technologies for APVMA registration protocols
- Comparative studies of breech modification options
- Comparative studies of pain relief actives for breech modification options, castration and tail docking
- Assessing and benchmarking pain, assisting claims for registration and advice to growers

Current and Emerging Welfare Priorities - Wool

Ram Breeding Industry is now “creating” new lines of low wrinkle, low cover, low wec, low dag, polled rams with high relatively fleece weight. MERINOSELECT website.

AWT	YFAT	YEMD	AGFW	AFD	ACUR	ASS	YWEC	NLW	EBWR	EBCOV	LDAG	FP+	MP+ ↓	DP+
11.3 96%	0.8 94%	2.3 95%	16.0 97%	-0.6 97%	-3.0 97%	7.3 90%	-13 88%	10% 80%	-0.8 97%	-1.5 96%	-0.1 86%	163 86%	188 85%	213 81%
9.1 87%	0.1 84%	0.9 88%	11.4 87%	-1.3 90%	-4.7 89%	7.9 74%	2 75%	7% 51%	-0.4 88%	-0.9 89%	-0.1 48%	163 65%	179 62%	189 58%
3.6 86%	0.3 82%	0.9 86%	17.4 86%	-1.1 89%	-8.5 89%	4.3 75%	-6 74%	7% 52%	-0.4 91%	-0.7 88%	-0.2 56%	162 65%	178 62%	187 58%
5.2 83%	0.4 61%	1.1 69%	13.8 79%	-0.4 87%	-3.2 88%	4.5 80%	-26 55%	6% 34%	-0.7 86%	-0.5 82%	-0.2 62%	153 62%	172 56%	183 46%
6.9 87%	1.2 83%	1.5 87%	-0.4 85%	-2.0 90%	0.7 89%	4.1 73%	-14 55%	14% 47%	-0.3 93%	-0.8 91%	-	154 62%	168 59%	188 55%
6.3 92%	0.5 83%	1.3 90%	13.9 86%	-0.9 91%	-1.1 91%	2.0 86%	18 81%	-3% 47%	-0.6 97%	-0.4 96%	-0.1 91%	141 71%	161 65%	165 56%
7.6 76%	0.1 56%	0.8 64%	3.0 68%	-0.5 75%	-2.7 75%	4.0 63%	-82 69%	15% 30%	-0.3 82%	-0.3 87%	-0.1 71%	148 47%	158 44%	175 39%
5.5 91%	0.7 85%	1.2 89%	9.1 86%	-0.7 91%	-1.2 91%	0.2 74%	-49 76%	6% 70%	-0.4 96%	-0.3 91%	-0.1 41%	143 74%	157 75%	173 72%
7.5 86%	1.4 81%	1.8 85%	-2.0 85%	-1.0 89%	-2.1 88%	7.8 73%	-41 55%	15% 46%	-0.3 91%	-0.6 88%	-	146 62%	157 59%	181 54%
6.6 81%	0.6 55%	1.1 60%	10.9 75%	-1.4 80%	-1.3 76%	4.7 67%	12 46%	4% 39%	-0.5 74%	-1.2 67%	-0.1 37%	147 52%	155 50%	163 46%

Current Key Projects / Priorities - Wool

Current Key Projects

- Bacteria and odour indicators for risk of breech strike
- SkinTraction & liquid nitrogen alternatives to mulesing
- Buccal meloxicam, castration and tail docking
- New chemicals for fly and lice control
- Training and Practice Change;
NMAP, “ASBVs” (Sheep Genetics), ParaBoss, Lifetime Ewe Mgt & Stockmanship (indicators), shearing, market signals
- AWI Welfare Forum

paraboss
.com.au



Future Projects

- Continue with training & practice change projects
- Registration of existing pain relief actives
- Buccal meloxicam studies for breech modification alternatives, best pain relief combinations for lamb marking
- Assessing breeding & breech modification alternatives
- Assessing & benchmarking pain
- Laser; wool removal (permanent crutch) & surgery???
- 2950 genes unique to blowfly; c40 Olfactory genes?

Australian Wool Innovation acknowledges the support and commitment to the Breech Flystrike Prevention R&D&E program



The University of Sydney



Industry & Investment

SHEEP GENETICS



TROY
ilium



SHEEPCRC



MACKINNON



paraboss
.com.au



ANIMAL WELFARE SCIENCE CENTRE



WOOLPRODUCERS
AUSTRALIA



Government of South Australia
Primary Industries and Resources SA





WOOL.COM

Australian Wool Innovation Limited gratefully acknowledges the funds provided by the Australian Government to support the research, development, innovation and marketing detailed in this publication. Whilst Australian Wool Innovation Limited and its employees, officers and contractors and any contributor to this material ("us" or "we") have used reasonable efforts to ensure that the information contained in this material is correct and current at the time of its publication, it is your responsibility to confirm its accuracy, reliability, suitability, currency and completeness for use for your purposes. To the extent permitted by law, we exclude all conditions, warranties, guarantees, terms and obligations expressed, implied or imposed by law or otherwise relating to the information contained in this material or your use of it and will have no liability to you, however arising and under any cause of action or theory of liability, in respect of any loss or damage (including indirect, special or consequential loss or damage, loss of profit or loss of business opportunity), arising out of or in connection with this material or your use of it.

© Australian Wool Innovation Limited. All rights reserved. This work is copyright. Except as permitted under Copyright Law no part of this publication may be reproduced by any process, electronic or otherwise, without the specific written permission of the copyright owner. Neither may information be stored electronically in any form whatsoever without such permission.