

AWI Breech Strike R&D Technical Update
Maritime Museum, Sydney
12th July 2016

Dr Kerry Hansford
AWEX

National Wool Declaration

National Wool Declaration (NWD)



- NWD for Mulesing Status implemented Aug 2008
 - Allows Seller to inform the market & Buyers to source wool
 - NWD is voluntary but recommended
 - Allows industry to measure rate of change
- Mulesing Status Catalogue/Test Certificate Codes
 - Non Mulesed (NM)
 - Ceased Mulesing (CM)
 - Mulesed with Pain Relief (PR)
 - Mulesed (Blank)
 - Not Declared (ND)

The NATIONAL WOOL DECLARATION (NWD) must be completed and signed by the Owner/Manager.

Has Mulesing Ceased on this Property? YES or NO (Tick Box)

Mulesing Status (for each Mob):
 NM: No sheep in this mob has been mulesed.
 M: Some/all of the sheep in this mob have been mulesed.
 PR: All sheep in this mob were mulesed using a registered Pain Relief product.

Mob No.	Mob Break/Bale Ranges	Age Code	Breed Code	Sex Code	Contact with Shedding Breeds (Y/N)	Mob Crutched (Y/N)	Crutched within 3 mths prior to Shearing (Y/N)	Mulesing Status (NM, PR or M)	Wool Length (mm)	VM (Lo, Med or Hi)	Comments / Matching Mob Info
1	1 - 8	2	M	M	N	Y	Y	NM	95	Lo	Hoggets
2	9 - 16	3	M	E	N	Y	Y	PR	100	Lo	Can match Mob 3
3	17 - 27	4-6	M	E	N	Y	Y	PR	100	Lo	
4	28 - 34	1	M	M	N	N	N	NM	45	Lo	Lambs

By signing this declaration, I warrant that (a) I am authorised to complete this declaration and confirm that all details contained in it are true and correct, (b) I authorise the selling agent to submit this document to AWEX (if requested) for the purpose of the NWD-Integrity Program and (c) I understand that I may be subject to random desk audits and on farm inspections, the results of which may be made available to the buyers of the declared wool and the selling agent. Details of the AWEX NWD-Integrity Program and Privacy Policy are available on the AWEX website: www.awex.com.au.

PIC Owner/Manager Name.....Joe Grower.....Signature.....Joseph Grower.....Date.....07././2016



NWD Adoption Rates



All breeds & wool types, first hand offered (no bulk class, interlots or re-offers)

Bales	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
% Clip Decl.	38	37	42	44	45	43	50	55
% NM CM PR	9	12	17	20	22	22	29	35
% NM	3	4	6	6	6	6	7	9
% CM	3	3	3	2	2	2	3	3
% PR	3	5	8	12	14	14	19	23
% Mulesed	29	25	25	24	23	21	21	20
% ND	62	63	58	56	55	57	50	45
% Total	100	100	100	100	100	100	100	100
Total Bales	1,416,656	1,467,058	1,589,514	1,456,151	1,598,009	1,452,077	1,617,165	1,487,894



NWD Adoption Rates by Breed



Season 2015/16

Mulesing Status	≤24.4 μm (Merino)		>24.5 μm (X-Bred)		All MFD/Breeds	
	No. Bales	% M ⁰	No. Bales	% XB	No. Bales	% All
% NM	82,396	6	53,124	24	135,520	9
% CM	34,482	3	6,684	3	41,216	3
% PR	326,420	26	13,319	6	339,739	23
% Mulesed	260,296	21	41,409	18	301,705	20
% ND	560,605	44	109,111	49	669,716	45
No. Bales	1,264,199	100	223,647	100	1,487,846	100



National Wool Declaration – Integrity Program (NWD–IP): Desk Audits



- Phase 1 of NWD–IP from season 2008/09
 - Desk audits of documentation (compare Classer’s Speci, NWD & Mulesing Status in catalogue), ~1000/year
 - Errors corrected prior to sale & Brokers/Buyers advised

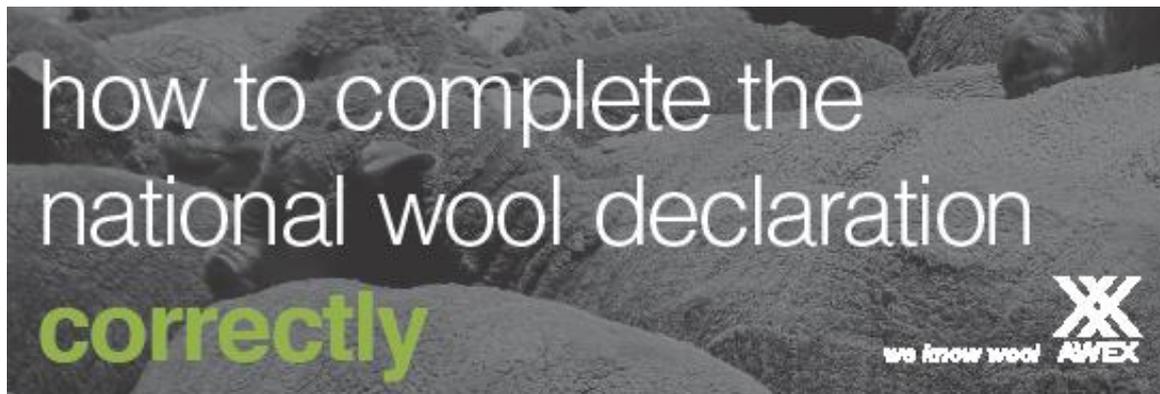
VMC MULE	ACY	JCSY	SCD 17%	SCH DRY	VMB NET	MIC	S/L		S/S	POB			SS25	Lot no	Bls
							MM	cv%	N/KT	T	M	B	DMFR		
0.1	67.9	71.6	74.9	69.9	1.8	17.9	87	12	29	60	38	2	18	P 1229	6
1.7	774	816	854	797	1,140	21.2%	MF48.						1		
NM							V21	AAAASUP						P	
0.1	54.5	57.6	66.7	54.1	6.8	16.7	73	20	25	39	50	11	14	P 3209	11
6.7	1153	1219	1411	1145	2,116	22.2%	MP5S.						2		
NM								AAAPCS						P	
2.2	55.7	58.5	69.3	54.8	8.2	16.9	68	19	18	31	59	10	9	P 3219	7
6.0	747	784	929	735	1,341	20.1%	MB5S.H1C1								
PR								AAABLS						P	
2.2	50.9	54.0	63.4	50.3	7.1	17.2	66	21	15	25	58	17	6	P 3220	5
4.9	466	494	580	460	915	20.9%	MB6S.								
PR								AABLS						P	
0.2	63.6	67.5	69.9	66.2	1.1	21.9	114	10	38	19	70	11	19	Q 1001	11
0.5	1258	1335	1383	1309	1,978	18.3%	MF5T.						2		
0.4							N39	AAAM						P	
CM															
0.4	65.2	68.9	71.7	67.6	1.4	22.1	110	11	37	32	58	10	23	Q 1002	4
0.4	477	504	525	495	732	19.5%	MF5T.						2		
0.6								AAAM						P	
CM															



NWD-IP: Verification of PR & On Farm Inspection for NM/CM



- Phase 2 of NWD-IP from season 2010/11
 - Verification of PR, viz. proof of purchase, >100/year
 - On farm Inspections for NM, viz. examination of sheep, ~225/year
 - Compliance/Non Compliance reports to growers with instructions on correct completion
 - Brokers/Buyers advised of Non Compliance
 - NM, CM and/or PR Declarations from Non Compliant brands reviewed every time they are offered for sale





- Phase 3 of NWD-IP from season 2014/15
 - Mulesing Status Certificates for Exporters* buying for Processing clients with specific Mulesing Status requirements
 - AWEX checks purchased Brands/Lots against NM/CM Inspections/Audits & PR Verifications
 - Exporter has the opportunity to remove Non Compliant Brands/Lots from consignments

*9 Exporters currently use this service



Desk Top Audits for NM, CM & PR



	No. Desk Audits	No. Correct	% Correct
2008/2009	781	515	66
2009/2010	944	650	69
2010/2011	1,362	882	65
2011/2012	984	571	58
2012/2013	981	665	68
2013/2014	846	623	73
2014/2015	1,115	859	77
2015/2016	907	855	94



Data Entry Errors for NM, CM & PR



Region	Desk Audit Periods	No. Audits	No. Incorrect	% Incorrect	No. Data Entry Incorrect	% Data Entry Incorrect
North	1 Jul 14 – 6 Feb 15	286	46	16	40	14
	1 May 15 – 10 Jul 15	90	11	12	9	10
	1 Nov 15 – 30 Jun 16	242	21	9	2	1
South	2 Jul 14 – 6 Feb 15	298	80	27	70	23
	1 May 15 – 10 Jul 15	85	15	18	9	11
	1 Nov 15 – 3 Jun 16	301	33	11	5	2
West	3 Jul 14 – 6 Feb 15	55	33	60	32	58
	1 May 15 – 10 Jul 15	16	6	38	5	31
	1 Nov 15 – 30 Jun 16	81	20	25	3	4
Total	3 Jul 14 – 6 Feb 15	639	159	25	142	22
	1 May 15 – 10 Jul 15	191	32	17	23	12
	1 Nov 15 – 30 Jun 16	624	74	12	10	2

Incorrect (Non Compliant) desk audits can be due to brokers not supplying the declaration, growers not signing the declaration or not entering mob numbers against lines of wool (as well as data entry errors).





	No. PR Audits	Compliant	Non-Compliant
2010/2011	100	88	12
2011/2012	100	91	9
2012/2013	100	89	11
2013/2014	100	90	10
2014/2015	100	76	24
2015/2016	116	102 (88%)	14 (12%)

- NC Verifications (Brands) reviewed every time they offer for sale



On Farm Inspections for NM/CM



August 2010 – June 2015	NSW	QLD	SA	TAS	VIC	WA	TOTAL
Not Inspected	91	5	37	7	32	10	182
No. On-Farm Inspections	530	60	86	70	211	79	1036
No. Selected On Farm Inspections	621	65	123	77	243	89	1218
% NC for Inspect + No Inspect	16	12	27	10	14	15	16

July 2015 – June 2016	NSW	QLD	SA	TAS	VIC	WA	TOTAL
Not Inspected	17	1	4	1	6	10	39
No. On-Farm Inspections	105	8	29	10	36	10	198
No. Selected On Farm Inspections	122	9	33	11	42	20	237
No. NC for Inspect + No Inspect	18	1	7	1	7	8	42
% NC for Inspect + No Inspect	16	11	21	9	17	40	18

NC = Non Compliant

- 11 out of 1455 (<1%) On-Farm Inspections are NC-Level 2 (admitted they tried to “get away with it” or refused an inspection)
- NC Inspections (Brands) reviewed every time they offer for sale



Premiums and Discounts for Mulesing Status (c/kg clean)



		Merino						Crossbred				
		16.0	17.0	18.0	19.0	20.0	21.0	22.0	27.0	28.0	29.0	30.0
Non Mulesed												
Season	2013	16	12	9	9	4	-3	2	0	-1	4	16
	2014	28	15	11	12	13	0	5	3	4	-3	28
	2015	17	15	9	8	8	1		4	-1	1	4
Ceased Mulesed												
Season	2013	4	14	9	-2	3	1	16	2	-4	4	4
	2014	11	4	-3	10	-5	-3	17	-1	5	-3	11
	2015	31	13	11	7	5	4	-1	2	5	2	-3
Pain Relief												
Season	2013	0	2	0	3	0	3	-5	16	-9		0
	2014	11	6	-2	1	-1	-4	1	3	0	-1	11
	2015	2	2	-4	0	1	2	2	8		9	
Not Declared												
Season	2013	-2	2	-1	0	0	0	-4	-4	3	-3	-2
	2014	5	4	-4	0	-1	-4	-2	-4	0	-2	5
	2015	6	2	-2	-3	-1	0	-1	-1	-7	-2	-3

- Australian Stored; Merino Fleece/Weaners & XB Fleece
- >30 N/ktex, >60% Schlum Dry, <2.2 VMB, Styles 4/5, Good/light colour (incl. H1), P Certificate
- Lengths according to Diameter Range: 70–95 mm (<18 µm), 75–99 mm (19–21 µm), 83–104 mm (22–24 µm), 90–110 mm (26–29 µm), 100–130 mm (30–34 µm)
- Records per group (micron/NWD status) > 2, empty cells when not enough data to generate a P or D





- **Wool Classers**
 - Regular articles in BOARDtalk (Wool Classer Journal)
 - Presentations at Wool Forum & Masterclasser seminars around Australia
 - Direct contact with classers who complete NWD incorrectly
- **Wool Growers, State Farming Orgs & Brokers**
 - Electronic & hard copies of brochures/documents:
 - Declaring What the World's Demanding
 - How to Complete the NWD Correctly
 - Members' Updates & FAQs
 - Broker & Exporter Testimonials
 - Presentations at IWTO, ASWGA etc., or when requested
 - Regular reviews of NWD-IP & NWD form - input from stakeholders
 - Broker annual staff meetings
 - Training of Brokers' data entry staff





- Non Compliance rates need to improve
- Most Non Compliance does not appear to be deliberate; so more attention to detail is required
- Given NWD is voluntary, there is no excuse for incorrect declarations
- Issue is not going away, with more processors seeking information on animal husbandry/mulesing status
- Industry is prepared to work together



Elders

Declaring what the world is demanding

"The NWD provides integrity to Australia's wool industry. Exporters are seeking NWD details, proving that the consumer too wants this information."

By completing the NWD we can ensure total market exposure, maximum competition and maintain the high standard of Australia's wool industry."



Bruce McLeish, Elders Wool Sales Manager, NSW/QLD

Customer confidence



A tool that's easy-to-use



"Declaring what the world is demanding" supports the philosophy of Suedwollgroup. Our vision 'fit for purpose' means we buy to meet the needs of our customers, who demand increased transparency and a safer supply chain — the NWD helps us do that."

Klaus Steger, Managing Director Suedwolle GmbH & Co. KG

südwoollgroup

Completing the National Wool Declaration (NWD) showcases and promotes your wool to the world. The NWD is an easy-to-use tool that gives consumers confidence about the integrity of our wool products and our industry.

Building confidence



"The NWD is vital to the integrity of our purchasing selections. It provides an opportunity for the woolgrower to promote their wool with pride and for us to buy with trust and confidence in order to supply our customers."

Tim Marwedel, Managing Director G Schneider Australia Pty Limited

Gathering momentum

Grower adoption rates are increasing.



Increase in woolgrower adoption of the NWD from 2013 to 2015 (all breeds and wool types first-hand offered).



Promotes our product



"A compliant NWD helps us communicate openly with our clients, which in turn gives confidence along the supply chain and strongly promotes the benefits and use of Australian wool."

Jo Dawson, CEO H. Dawson



From paddock to processor with the NWD



Industry supporters of the NWD



To learn more visit www.awex.com.au or call 02 9428 6100

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südwoollgroup

Customer confidence



"The growing number of affluent and discerning consumers in the Northern hemisphere see wool as a luxury item. To be successful we must understand and meet their demands and aspirations."

David Michel, Managing Director Michel Australia



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"Provenance and traceability is fast becoming a strong requirement for Reda products. Our clients believe in and expect quality, along with a guarantee that our raw products have been procured from farms that respect the environment and their animals. We support the NWD Program 100%."

Fabrizio Botta Poala, Wool Purchasing & Processing Manager Reda, Italy



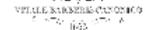
"A compliant NWD helps us communicate openly with our clients, which in turn gives confidence along the supply chain and strongly promotes the benefits and use of Australian wool."

Jo Dawson, CEO H. Dawson



"VBC supports supply chain transparency and a commitment to trade relationships, so we provide our clients information to ensure the provenance of our fabrics. As the buyer, we want to know what we are buying and therefore the NWD is very important."

Davide Fontaneto, Raw Material Procurement Vitale Barberis Canonico, Italy



"Providing information to the market, which allows the participants to be better informed on what they compete upon, is basic commonsense marketing. The NWD is one of the most important pillars on which we purchase our wool for our discerning Italian clients and shareholders."

Andrew Blanch, Managing Director New England Wool



Industry supporters of the NWD



To learn more visit www.awex.com.au or call 02 9428 6100



This publication is based on information presented at the Australian Wool Innovation Limited (AWI) National Wool Research and Development Technical Update on Breech Flystrike Prevention held on 12th July 2016. Some information in this publication has been contributed by one or more third parties and licenced to AWI, and AWI has not verified whether this information is correct.

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AWI gratefully acknowledges the funds provided by the Australian government to support research, development and marketing of Australian wool.