



For the latest in red meat R&D

Practical biosecurity and traceability for WA sheep producers

Dr Michylla Seal
Genstock Pty Ltd
mic@genstock.com.au





Drivers to enhance biosecurity and traceability

INDUSTRY AND ON-FARM

- Market access and lower risk of market disruption
- Health, welfare, integrity and production of agricultural industry
- Minimise risk to farming businesses
- Retailers and consumers assured of quality, safety and authenticity
- Keep Australia free







Exotic disease outbreak - NOT IF ... WHEN

China suspends wool trade from South Africa due to foot-and-mouth disease outbreak

NSW Country Hour / By Cara Jeffery



Sports supplement importer sentenced for fraudulent import documentation

5 July 2021

Two Canberra men appeared before the ACT Supreme Court on 2 July after falsifying documents to import nutritional food products into Australia.

Foot-and-mouth disease that threatens Australia's entire livestock industry detected in airport seizures

ABC Rural / By Warwick Long and Kath Sullivan



Don't be sorry; just declare it: New penalties for travellers who don't declare high-risk biosecurity goods

It is the responsibility of all of us what can we do??



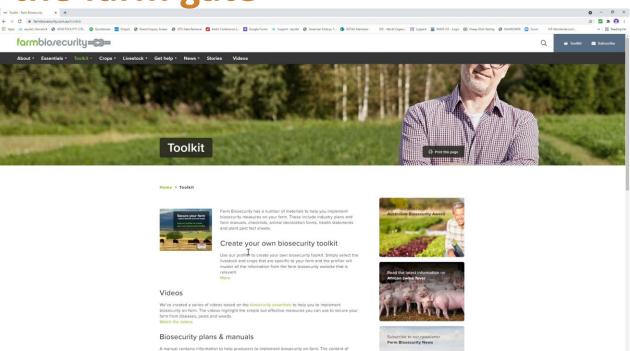


It starts before the farm gate





- Best defense against pests and diseases.
- Quick and simple measures.
- Self assessment checklist









Biosecurity plan

farmbiosecurity====

5 simple steps

- 1. Download template
- 2. Complete
- 3. Inform family and staff
- 4. Keep a copy
- 5. Review annually

	1.0	1.1.1 Livestock 1.1.1 Are all new stock that arrive on the property inspected for their health status? Are livestock purchased with information on animal treatments and is a health status provided via a National Vendor Declaration (NVD) and Animal Health Declaration (AHD)? 1.1.3 Do all newly introduced livestock undergo a period of quarantine?						
	1.1			Reference Documents Procedures		YES	NO	N/A
	1.1.1			National Vendor Declaration Animal Health Declaration	Pre-purchase inspection or veterinary inspection/certification			
	1.1.2			National Vendor Declaration Animal Health Declaration	Request NVD/Waybills for all sales to ensure LPA accreditation. Request AHD for further information on herd health.			
	1.1.3			Livestock Receival and Inspection Form	Isolate and segregate for_days (21 recommended)			Г
	1.1.6			Paddock records	Isolate and segregate for_days (21 recommended)			
	1.1.4	Do all livestock have their release?	ve sufficient time to empty out in the yards prior to	Livestock Receival and Inspection Form	24-48 hours holding for empty out			
		4 4 7 A 580 Q 10.56	away from the home property, e.g., for shows, on tract joining, are hygiene and quarantine strategies in biosecurity risks to livestock and properties?	Livestock Receival and Inspection Form Treatment records	Isolate and segregate for_days (21 recommended)			Г
-	FarmBios	ecurity +	tock identified and recorded in accordance with the s for species and jurisdictions?	NLIS Database	Receiving property to do NLIS transfers within 48 hours of arrival. All animals to bear an NLIS device before moving off the property.			
å	Welco	me.		Reference Documents	Procedures	YES	NO	N/
			ave a total ban on the feeding of products derived nals, excluding tallow and gelatine, to ruminant	Ruminant feed ban producer checklist	Producers must not allow Restricted Animal Material (RAM) to be fed to ruminants.			
A	Essentials ssess your bookessity risk by Permitiosecurity Plan		ponsible for the purchase of stockfeed ensure the		Store CVD for a minimum of three years or the life of livestock fed the stockfeed, whichever is the greater.			Г
9	No control books of the contro		d on delivery to ensure it is fit for purpose (e.g., free nd visual contaminants)? minated, is there a plan in place for its disposal?	Purchase records Disposal plan for spoilt stock feeds.	Inspect stock feed on arrival and ensure stockfeed matches what was ordered. If stock feed is spoilt implement disposal plan.			Г
Visit the website Visit the Farm Elementality website		1	,					
Biosecurity energy contacts								
About the form 61 concurity and								





Assess your risk of introducing stock

Can only assess risk by having information

NATIONAL VENDOR DECLARATION (SHEEP AND LAMBS) AND WAYBILL - eNVD	Print date/time: 116ge 1 of 2	NATIONAL SHEEP HEALTH DECLARATION Property Identification Code (PIC) of this property		All consigned sheep are from a flock with a negative test for JD?* Y \ N			
so720 40441278	Are any of the sheep or lambs in this consignment still within a Withholding Period (WHP) or Export Staughter Interval (ESI) as set by APVMA or SAFEMEAT, following treatment with any securinary drug or chamical? Yes No INTERVALENT Control of the	This MUST be the PIC of the property that the stock is being moved from	If Yes, which test?	Date	of test / /		
Part A — To be completed by the owner or person who is responsible for the husbandry of the sheep or lambs. Owner of sheep or lambs. GTNSTOCK FTY ITT Propartyflace where the journey commenced. 324 SIJAMROCK ROAD.	The past 90 days, have any of the sheep or lambs in this consignment consumed any material that was cell within a withholding parted when harvested, collected or first grazed? 10 In the past 90 days, have any of the sheep or lambs in this consignment occurs any material that was cell within a withholding parted when harvested, collected or first grazed? 10 In the past 90 days, have any of the sheep or lambs in this consignment even in their lives been feel feed containing animal tast? 10 In the past 90 days, have any of the sheep or lambs in this consignment even in their lives been feel feed containing animal tast?	Attached to accompanying NVD/Waybill No.	10. Any other JD managemen	Any other JD management practices carried out on the property?			
Property Identification Code (PIC) of this property WKFL0060 Description of these or brings Description of these or brings		SECTION A – Biosecurity Information 1. All consigned sheep are from a Livestock Production Assurance (LPA) Y N accredited property?*					
2 2020 Merco, Male Acr "feler to the attachment SS 2 3 3 2 3 3 3 2 3 3 3 3 3 3 3 3 3 3	ver 1 to 1 Peters include any additional information below y rectinities progress seared health end facility, additional declarations at y	The number of different sources of sheep that have been introduced onto the consigning property in the last 5 years is: O (closed flock)	Treatment type External Parasite Treatment	nt Information of Consigned	Date of last treatm		
A. Have PICs on all of the NLIS tags only on sheep in this consignment been listed in the Description table shove (other than the PIC printed on this NVDI? – Yes [X] OR	Declaration	SECTION B – Animal Health Information	Internal Parasite Treatment Other treatments				
B. Have all shaep in this consignment bean togged with an MLS tay with the PTC printed on this MVD or the sociated WM brand as letter in the description to bit above — Yee //ND/DR Names of electronic MLIS device in this consignment 2 //ND/DR Names	STOCK SHOP SOCIED SOCID SOCIED SOCIED SOCIED SOCIED SOCIED SOCIED SOCIED	CONTROL OF THE PARTY OF THE PAR	Vaccination (other than JD)				
Destination (if different) of sheep or lambs townstrate	arrinal material (including meat and bone meat) in breach of State or Tentory legislation. Signature* Date* / /20	5. All consigned sheep are from a flock that is free of lice?* Y N		.L			
Destination PIC (REG. WA & TAS) Datallis of other statistory documents relating to this movement e.g. health statement NOTIFICATION AND THE PROPERTY OF THE	New the process where same agrees above may see this destantion, or note amendments which investige matched That inc952,01137,098	6. All consigned sheep are from a flock in an ovine brucellosis accreditation scheme? If Yes, Flock Accreditation No. (except QId) Expiry Date //	Declaration (see explanatory in	otes for further information)			
(I) there there sheer ool make been raised comisinten with the raises of an independently audited CD presignmen on the property in Bir Col which is blanch above? Vir. In This give desire	Completion of rink part is optional in SA and VIC. Movement commences: 20 ; (amiym) Valide registration number(s)*:	7. All consigned sheep are Johne's disease (JD) Approved Vaccinates?* If 'Yes, I have been continuously vaccinating all retained lambs in the consignment flock against JD for	Tel. No. ()	(Town/suburb) Email and/or person responsible for the bu	(State) (Postco		
Were all of these sheep or lambs bred by the owner or vendor? Were Me This, how long up-new in sheep in lands of thind in parliance? Flore	Am the parson in clarge or the anexp or lambs buring the movement and declare all the information in Part B is true and correct. Signature Date / ZU Teline. This new than one thoris carrier, the shop or lambs, when where registers matrices are to be recorded.	All consigned sheep are from a SheepMAP flock?* Y N Yes, Status Year commenced	Signature Date				





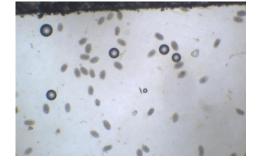
Assess your risk of introducing stock

SECTION B - Animal Health Information 3. All consigned sheep are from a flock that is free of virulent footrot?* Y N 4. All consigned sheep are from a flock that is free of benign footrot or scald?* YNN If (N) please provide further information below Y N 5. All consigned sheep are from a flock that is free of lice?* 6. All consigned sheep are from a flock in an ovine brucellosis Y N accreditation scheme? If Yes, Flock Accreditation No. (except Qld) Y N 7. All consigned sheep are Johne's disease (JD) Approved Vaccinates?* If Yes, I have been continuously vaccinating all retained lambs in the consignment flock against JD for 8. All consigned sheep are from a SheepMAP flock?* YNN If yes, Status Certificate Number Year commenced 9. All consigned sheep are from a flock with a negative test for JD?* Y N If Yes, which test? 10. Any other JD management practices carried out on the property?



SECTION C – Treatme	ent Information of Co	nsigned Sheep
Treatment type	Product	Date of last treatment
External Parasite Treatment		
Internal Parasite Treatment		
Other treatments		
•		
Vaccination (other than JD)		









Stock arriving on your property

Inspect

Treatments

Hold in Yards

Monitor

Drench Check

Examine stock on arrival

Quarantine drench and vaccinations

Hold in holding yard for no less 24 hours

Monitor 21 days quarantine paddock Drench check test

Do not forget agisted stock or animals from shows or sales

Do not forget strays







Other biosecurity considerations















Stock leaving property

Fit to load Healthy and no signs of disease Correctly identified

Scabby Mouth



Cancer: Vulva



Enlarged testicles







Surveillance & records

- Train staff
- Be aware of diseases, pests and weeds that may impact your business
- Keep records
- Report suspect diseases and pests

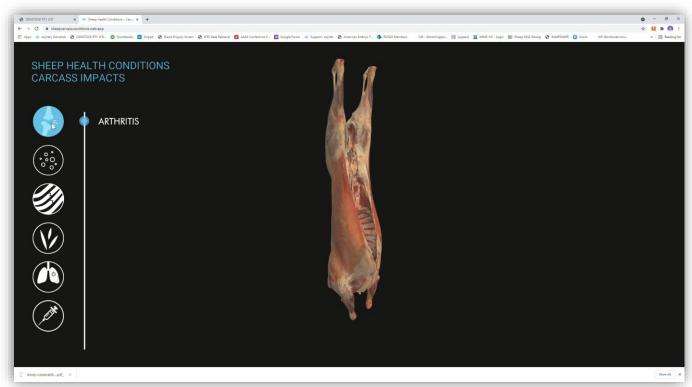








Information is power







Traceability

- SAFEMEAT report and recommendations
 - National system
 - Database improvement
 - Mandating EID
 - Funding arrangement and impact statement

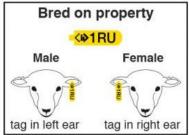
What can we do

- Correct identification of animals
- NVD
- NLIS database





All tags must be embossed with your registered brand and the NLIS logo





Year	Year	Co	olour
2012	2020	purple	
2013	2021	yellow	
4	2022	red	pink tag =
	2023	sky blue	post-breeder
1312	2024	black	tags must
	2025	white	be pink



Animal identification



Traceability – Apps & new technologies

- Apps information into NLIS database
- Smart Tags GPS, temperature, health info
- Retinal scanning
- Facial recognition







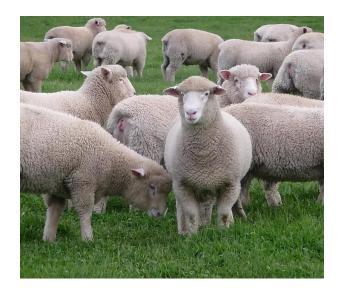




Take home messages

What can we do?

- Biosecurity plan
- Identifying animals correctly (NLIS tags)
- NVD + National Sheep Health Declaration
- NLIS database
- Inspect stock on arrival
- Quarantine procedures on introduction
- On-farm surveillance









Tools and resources

- Farm biosecurity app https://www.farmbiosecurity.com.au/
- Integrity Systems Company https://www.integritysystems.com.au/
- Livestock Productivity Assurance https://lpa.nlis.com.au/
- National Livestock Identification Scheme -https://www.nlis.com.au/
- Axichain https://www.axichain.io/
- Sheep Carcass Conditions Animal Health Australia https://sheepcarcassconditions.web.app/











