AN INITIATIVE OF





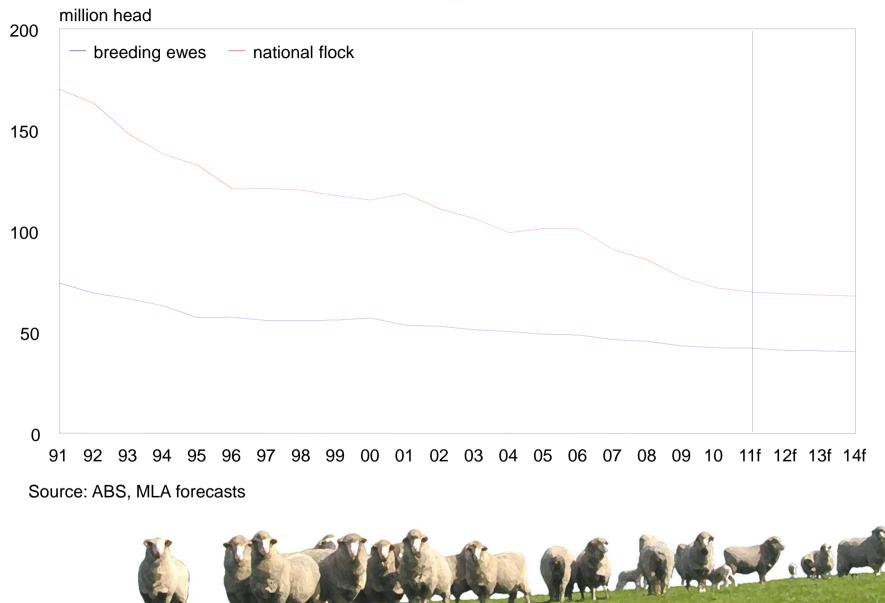


The New Ewe

Jason Trompf

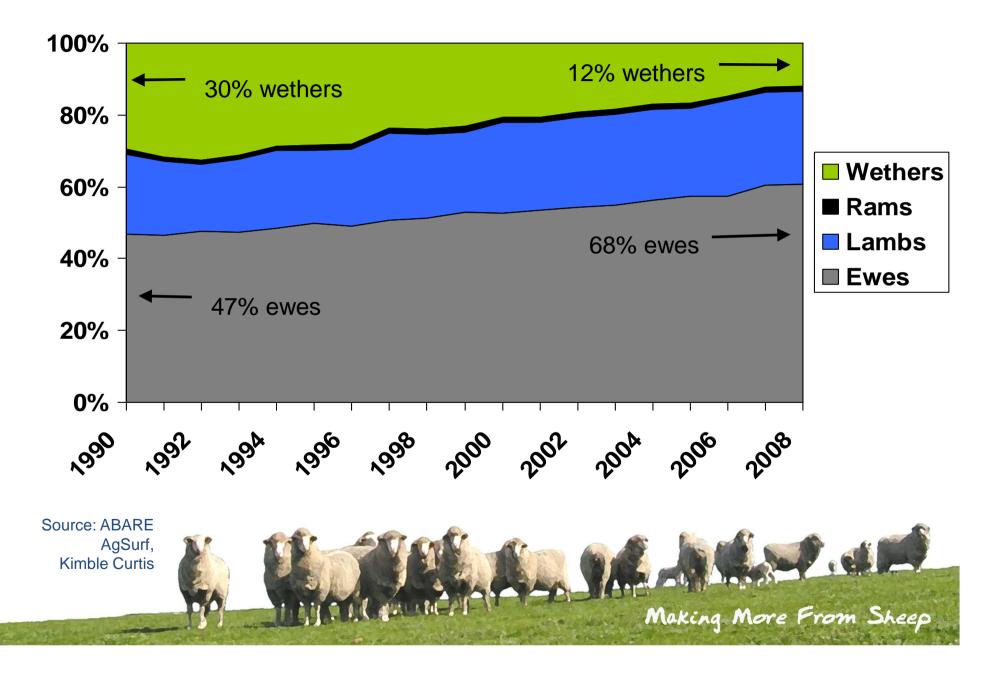


National & breeding ewe flock decline





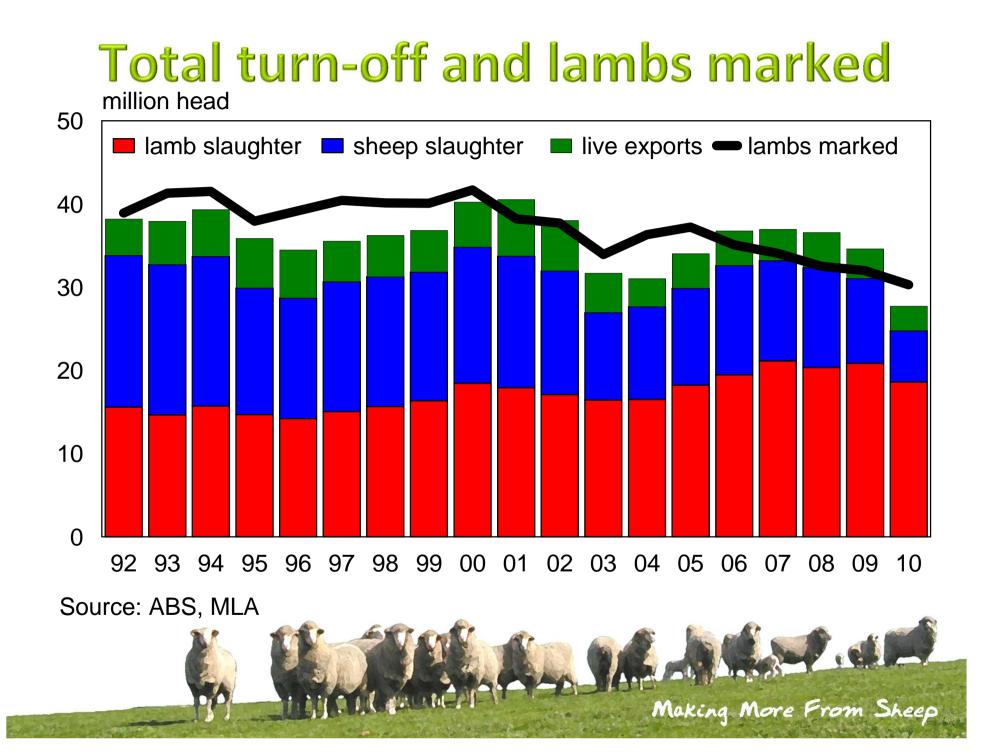
Ewes & lambs on the rise



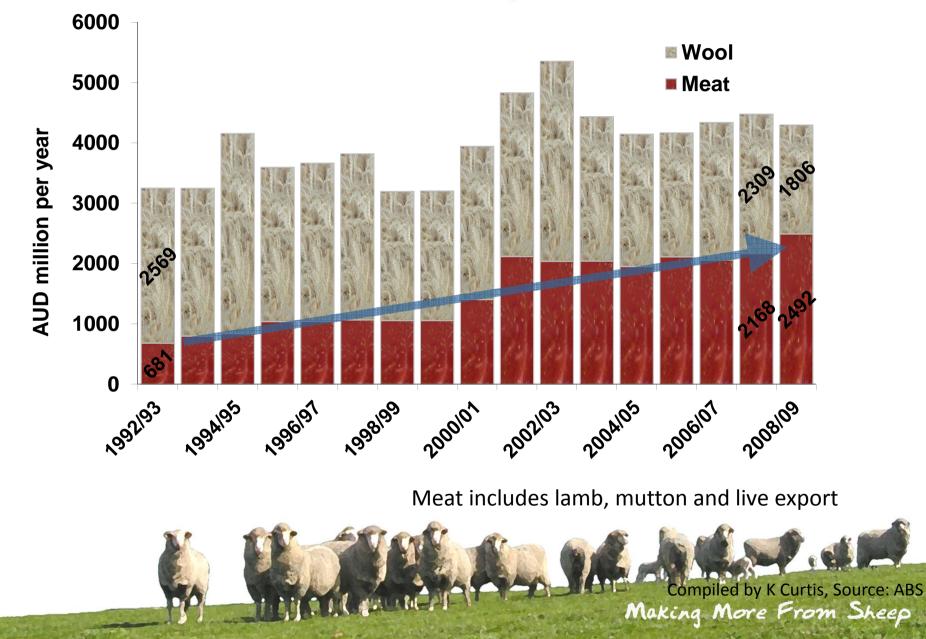
Why the right ewe matters!

A Contraction of the Area Mare From Sheep					
To Progeny	96	84	30	30	
To Dam	4	16	70	70	
Where the energy goes					
Weight of carcass per yr/dam wt	120	5.5	0.30	0.30	
Progeny/year	240	22	0.95	0.80	
Weight of carcass	1.5	45	180	22	
Weight of dam	3	180	550	60	
	Broiler	Pig	Cattle	Sheep	

Making More From Sheep



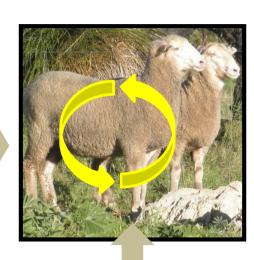
Gross value of production

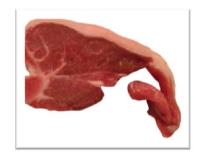


Energy Role of genetics...

Product











Labour and management



Q1. What do you most want to improve in your sheep?

- 1) Growth rate
- 2) Weaning %
- 3) Wool cut
- 4) Micron
- 5) Carcase- lean meat yield
- 6) Resistance to fly strike
- 7) Resistance to worms
- 8) Doing ability



The ewe of the future could have:

- more wool
- finer wool
- more stylish wool
- better wool strength
- better wool length
- lower CV
- higher washing yield
- better structure
- less horns

- faster growth
- better muscling
- more lambs
- less wrinkle
- barer breeches
- less worms
- less dags
- better resilience
- less flystrike



But what should it have?

- That depends on:
- Your production system



These are decisions only you can make – and it is important that you do

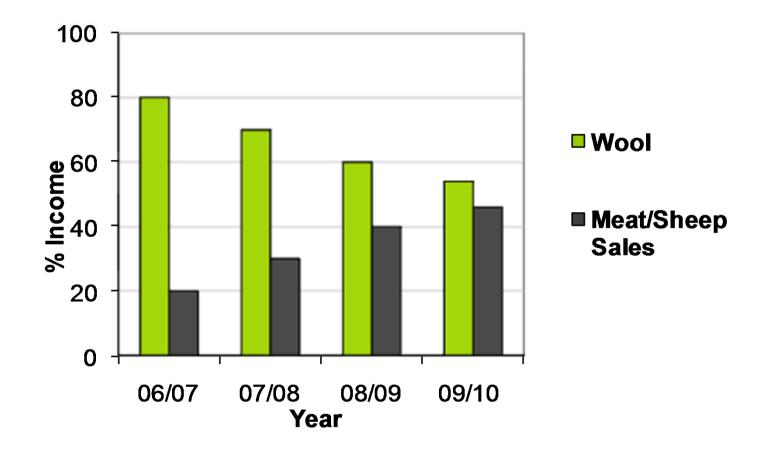
Your crystal ball





J. . .

Income from wool versus sheep sales





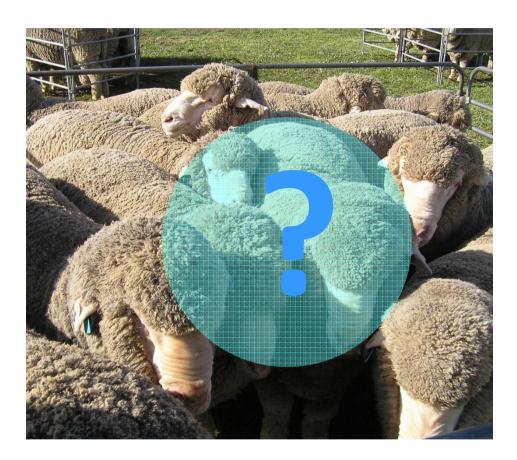


Wool and reproduction the valuable bi-product

	Ewe fleece value = \$25		
Meat Price \$/kg	Extra lambs required to break even		
\$3	>50		
\$4	>50		
\$5	37		



Which is the best ram?



It depends!!

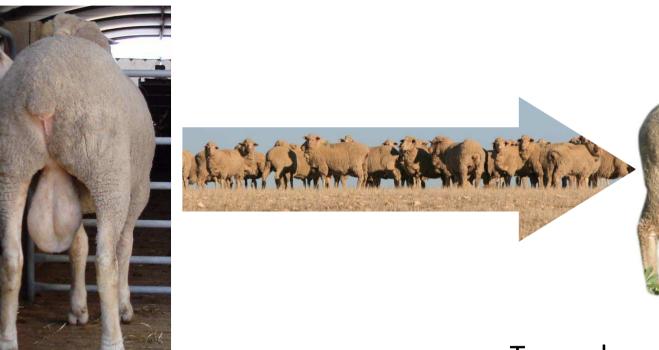


Q2. When buying rams what is the majority of your selection based on?

- 1) Wool style- quality/colour
- 2) Wool measurement- micron, CV, wool cut
- 3) Size
- 4) Low wrinkle
- 5) Reproduction potential
- 6) Carcase attributes



We buy bags of genes (and a delivery system)



To produce profitable sheep



Tools to help make that decision

- Australian Sheep Breeding Values (ASBVs)
 - ASBVs are available for all of the traits that matter to your back pocket
 - They work
 - There is money in it





Q3. What percentage of Merino rams are sold with ASBVs?

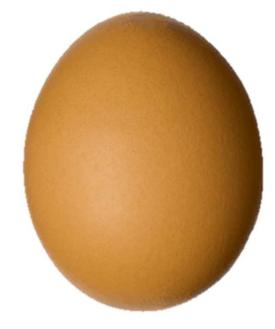
- 1) 15%
- 2) 30%
- 3) 45%
- 4) 60%
- 5) 75%
- 6) 90%



So why aren't they everywhere?

"My clients don't ask for them"





"My ram supplier doesn't have them"



Breeding for lambs

- ASBVs for Number of lambs weaned (NLW)
- Huge range in sires (over 30 lambs per 100 ewes)
- Plus get other things going in your favour
- Growth, muscle and fat
- Wrinkle, face cover etc





Yearling weight (YWT) YWT



RINOSA

ASBV





Post-weaning weight (PWT)





An extra 1kg here



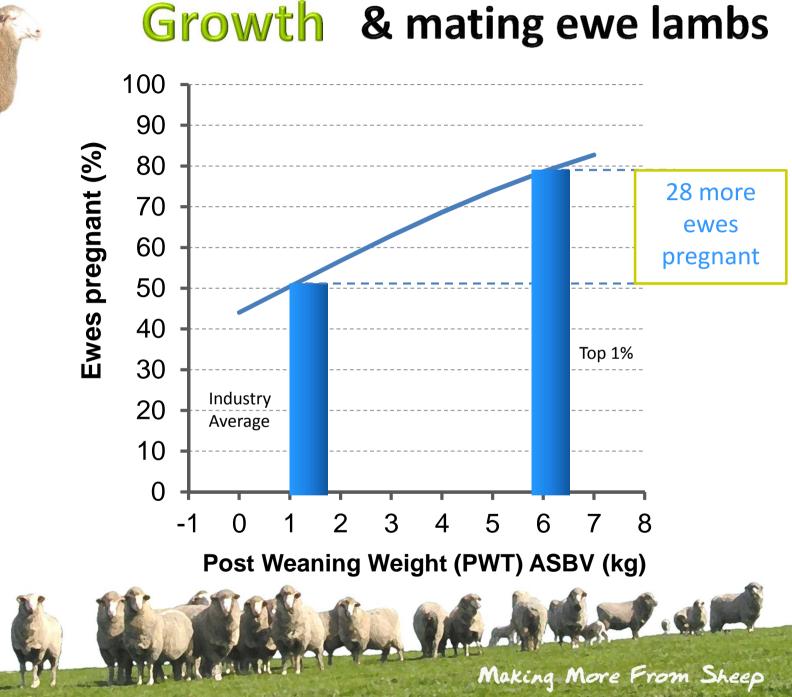
8 more lambs here../100ewes



...& 10 less days here



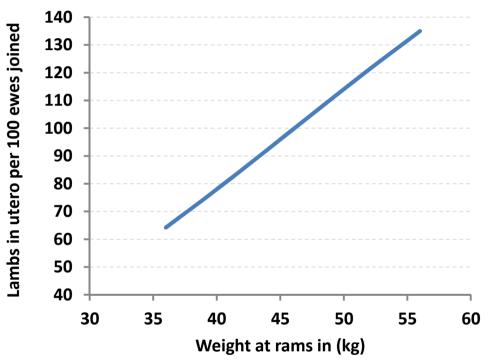






Merino ewe lambs

Impact of joining weight

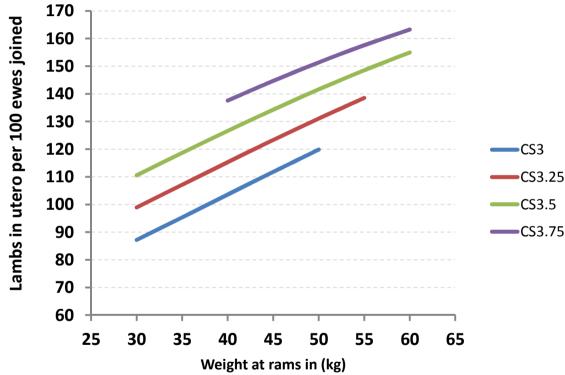






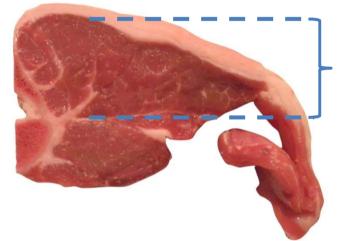
Composite ewe lambs

Impact of joining weight and CS





Yearling eye muscle depth (YEMD)



An extra 1mm here

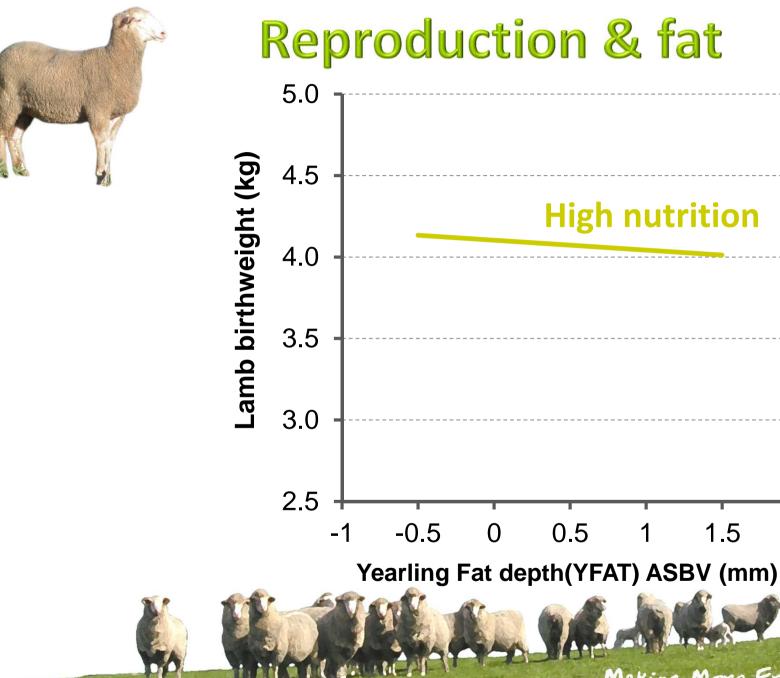


Means 6 more lambs here





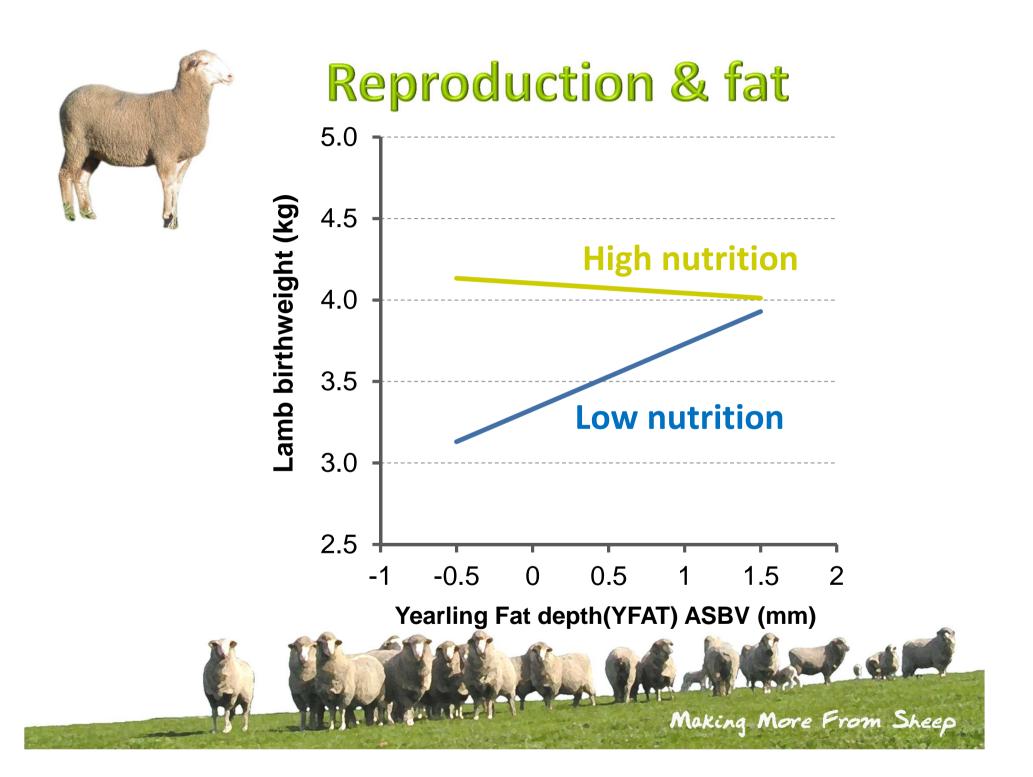
Yearling fat depth (YFAT) 0 more lambs here RINOSE **YFAT ASBV** OR 25 more lambs here CONTRACTOR STATE An extra 1mm here **0.1** YFAT (mm) 1.3 -1.3 Making More From Sheep



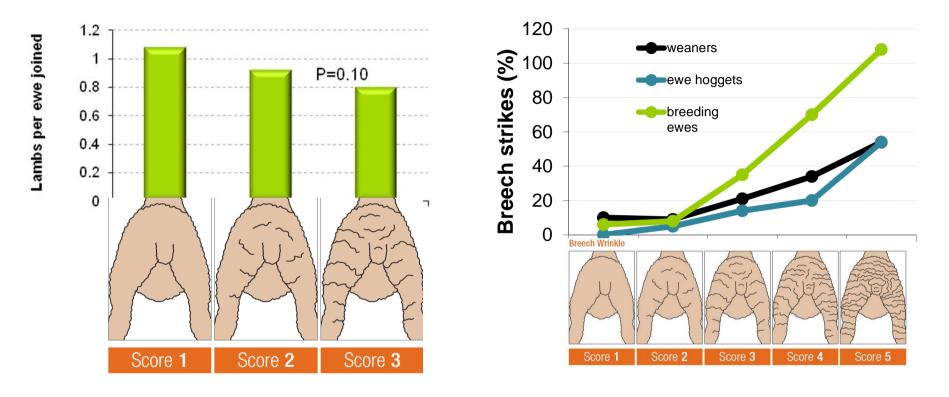
Making More From Sheep

1.5

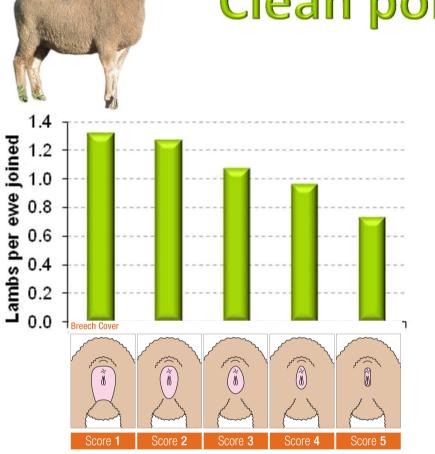
2



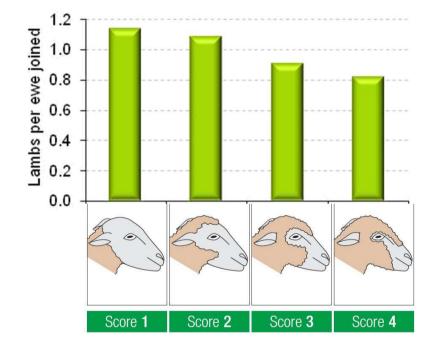
Less wrinkle, more lambs, less flies







Clean points - more lambs



Johan Greeff unpublished



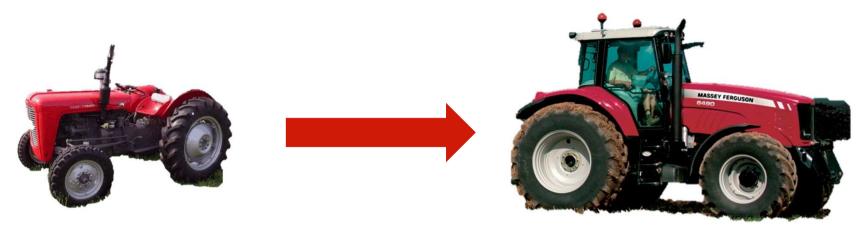
Making More From Sheep



Healthy \$heep

- Large genetic variation in sheep resistance to internal parasites
- Use WEC ASBVs as much as possible to breed more resistant sheep
- Reduce reliance on chemicals





- \uparrow operator comfort
- ↑ operator safety
- \uparrow Consumer perception
- \uparrow efficiency of labour use
- \uparrow efficiency of production
- ↑ dollars & people happiness



We can improve comfort, safety, perception, labour use, production and profitability of sheep?



THE BLUE PRINT Fertile at 7-8 months Weaning heavy twins Well muscled ₩ **Resilient to tough times** NOG Wrinkle and dag free Worm free Polled **Bare head and legs Quality wool**

The future is bright: **Future Park 099337** Poll Merino, 30kg at weaning, 70kg at 10 months **and was 50 days pregnant with twins!**



WWT: +5.5 kg PWT: +7.1kg PEMD: +1.6mm PFAT: +0.5mm

The New Ewe

- Fertile- 3% SIL per kg ewe body weight
- Efficient- kg lamb : kg ewe (wean 100% ewe wt at 12-14 wks)
- Resilientability to maintain productionin feed limited environments contract and expand quickly under parasite challenge
- Growth- Weaning Wt /Post Weaning Wt



Get on board....the genetics express

