Lu Hogan
Industry Training and Engagement
Sheep CRC

My presentation

- RamSelect.com.au
  - A new tool for selecting rams that drive your business forward
- Ram team management
- DNA Flock Profiling
  - Understanding the genetic basis of your ewe flock

Buying the right rams for your flock?

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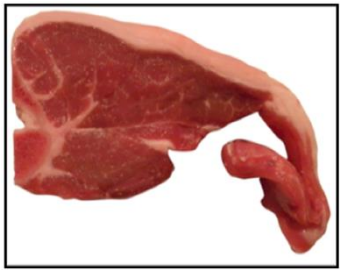


The old wool industry

Fleece weight
Fibre diameter

The new sheep industry

- Income ï meat and wool ï 50:50
- Wool, growth, reproduction, worm and fly resistance and eating quality
- Balance traits that we canôt see
- Need better tools to help us

Benchmarking genetic potential

- BLUP – used worldwide
- Sheep, goats, cattle, chooks, pigs and fish
- Combines pedigree, performance and genotyping data

- Australian Sheep Breeding Values
- Delivered by Sheep Genetics

MERINOSELECT ASBV

DOHNE ASBV

LAMBPLAN ASBV

DOHNE AUSTRALIA

Global Dohne Conference July 2018

Lots of data to interpret

Tag	Pen	CFW	FD	WT	WEC	SS			FP+	MP+
140132	1	18.1	-2.4	3.8	-9.0	-3.1			145	150
	Acc.	72	81	81	59	63			42	36
		✓	✓	✓	✓	✓		Micron 15.6		
	Grade: Measured:			Visual:		Overall:		$		

(1)

Tag	Pen	CFW	FD	WT	WEC	SS			FP+	MP+
140048	2	21.3	-3.0	-0.3	22.0	-4.8			154	158
	Acc.	68	79	71	56	56			39	36
		✓	✓	✓	+	+		Micron 14.3		
	Grade: Measured:			Visual:		Overall:		$		

Unsuitable
X

Tag	Pen	CFW	FD	WT	WEC	SS			FP+	MP+
140028	3	17.5	-2.4	1.2	-21.0	-0.7			150	150
	Acc.	72	81	73	58	62			43	38
		✓	✓	✓	✓	✓		Micron 15.1		
	Grade: Measured:			Visual:		Overall:		$		

(1)

Tag	Pen	CFW	FD	WT	WEC	SS			FP+	MP+
140336	4	13.9	-1.9	-3.2	9.0	-3.2			135	136
	Acc.	71	81	72	52	57			34	38
		X	✓	X	X	✓		Micron 15.9		
	Grade: Measured:			Visual:		Overall:		$		

Unsuitable

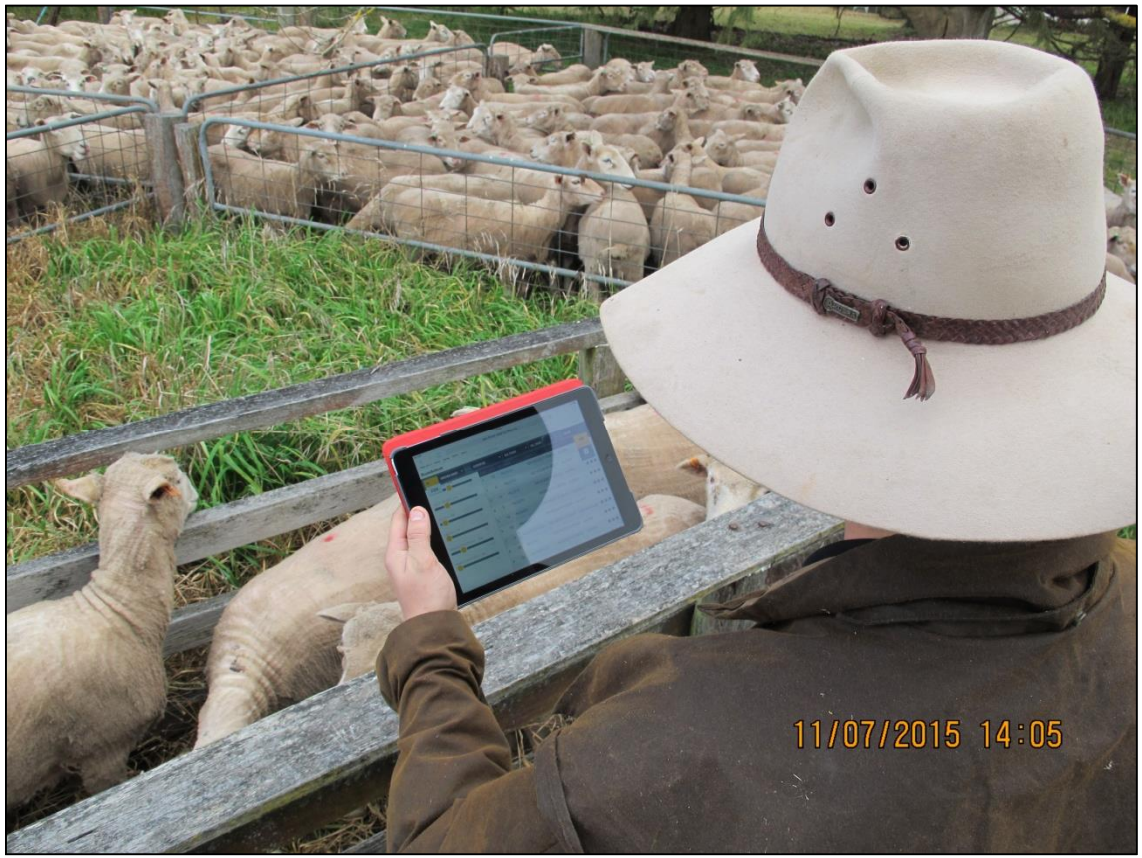
RamSelect .com.au

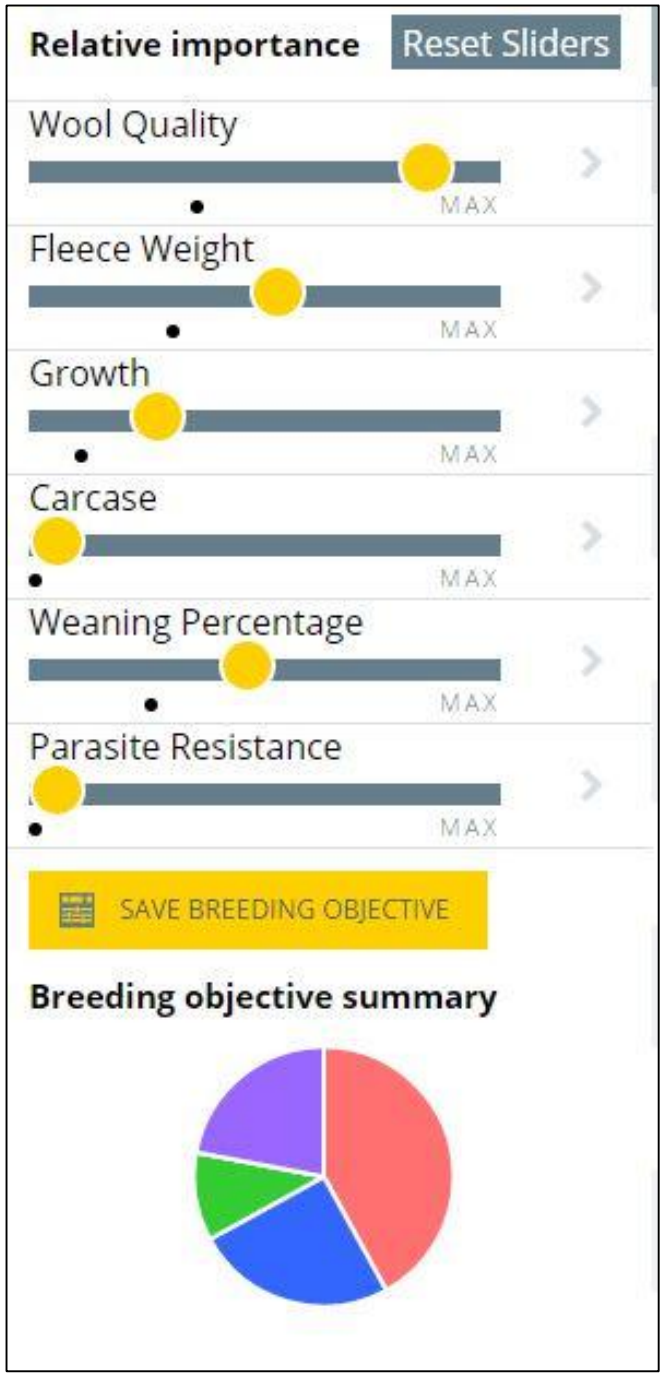
- A new digital approach
- Use the power of ASBV data
- Personalise the selection
- Rank rams available for sale
- Make it easier to buy the right rams

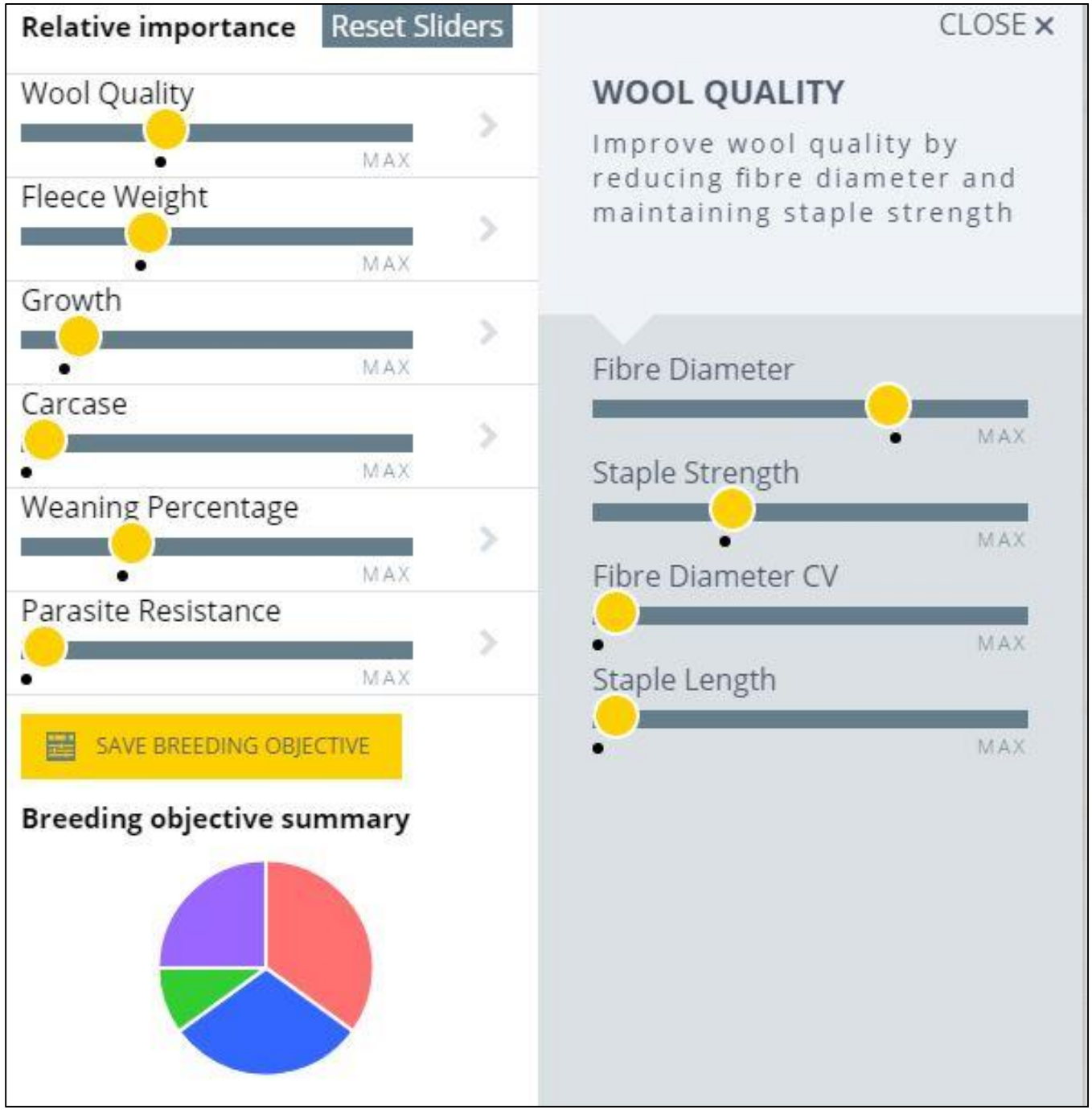
RamSelect

50 | Merino Rams | WITH | ALL merino TYPES | ALL STUDS | ALL SALES | WITHIN | ANYWHE | OF

Dohne
Merino
Terminal
Maternal




Relative importance
Reset Sliders
Wool Quality
MAX
Fleece Weight
MAX
Growth
MAX
Carcase
MAX
Weaning Percentage
MAX
Parasite Resistance
MAX
SAVE BREEDING OBJECTIVE
Breeding objective summary


Relative importance
Reset Sliders
CLOSE ×
Wool Quality
MAX
Fleece Weight
MAX
Growth
MAX
Carcase
MAX
Weaning Percentage
MAX
Parasite Resistance
MAX
SAVE BREEDING OBJECTIVE
Breeding objective summary
WOOL QUALITY
Improve wool quality by reducing fibre diameter and maintaining staple strength
Fibre Diameter
MAX
Staple Strength
MAX
Fibre Diameter CV
MAX
Staple Length
MAX

Advanced Filters

Only include rams that meet the following criteria

Apply Filters

Location

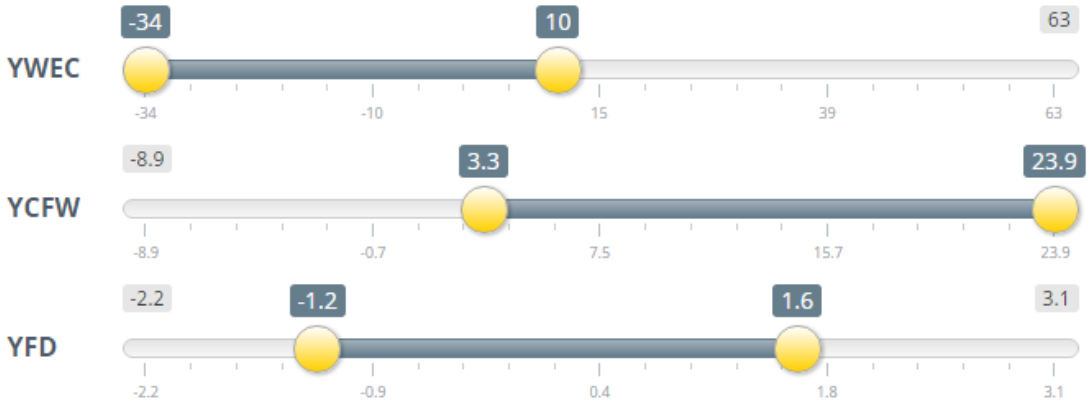
Distance

ANYWHERE

FROM

Postcode

ASBV



Apply Filters

Cancel

Rams ranked for your breeding objective

RECOMMENDED RAMS — SORT BY: Rank

RANK	LOT #	ANIMAL ID	ALL STUDS	2016 NATIONAL ...	ALL SALES
#1	Lot 17	146954	CALGA	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#2	Lot 5	141051	MACQUARIE	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#3	Lot 9	140350	FAR VALLEY	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#4	Lot 12	130063	GULLENDAH	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#5	Lot 10	140359	FAR VALLEY	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#6	Lot 11	152234	KARDINIA	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#7	Lot 29	141065	KOONIK	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#8	Lot 31	141099	KOONIK	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#9	Lot 24	140995	GLEN HOLME	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#10	Lot 6	140754	MACQUARIE	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#11	Lot 8	140609	MACQUARIE	2016 National Dohne Ram Sale, Dubbo NSW	Auction
#12	Lot 37	150117	ULOOLOO	2016 National Dohne Ram Sale, Dubbo NSW	Auction

#4	Lot 12	130063	GULLENDAH	2016 National Dohne Ram Sale, Dubbo NSW	Auction

ANIMAL ID: 5100222013130063 (SIRE ID: 5100492009092888)

YCFW -2.6 Accuracy: 82% Average: -	YFD -1 Accuracy: 94% Average: -	YDCV -1.6 Accuracy: 91% Average: -	WWT 3.2 Accuracy: 91% Average: -	PWT 4.2 Accuracy: 92% Average: -	YWT 5.6 Accuracy: 84% Average: -	PEMD 2.1 Accuracy: 85% Average: -
PFAT 0.5 Accuracy: 80% Average: -	PWEC -5 Accuracy: 37% Average: -	MWWT -0.3 Accuracy: 58% Average: -	NLW - Accuracy: -% Average: -			

#5	Lot 10	140359	FAR VALLEY	2016 National Dohne Ram Sale, Dubbo NSW	Auction

ANIMAL ID: 5100072014140359 (SIRE ID: 5100072011116602)

YCFW 6.2 Accuracy: 67% Average: -	YFD -2.4 Accuracy: 82% Average: -	YDCV 0.6 Accuracy: 74% Average: -	WWT 3.4 Accuracy: 74% Average: -	PWT 3.6 Accuracy: 73% Average: -	YWT 4.4 Accuracy: 76% Average: -	PEMD 0.3 Accuracy: 59% Average: -
PFAT -0.1 Accuracy: 57% Average: -	PWEC -16 Accuracy: 41% Average: -	MWWT 2.2 Accuracy: 50% Average: -	NLW 6 Accuracy: 42% Average: -			

Making the possible practical

RamSelect Plus .com.au

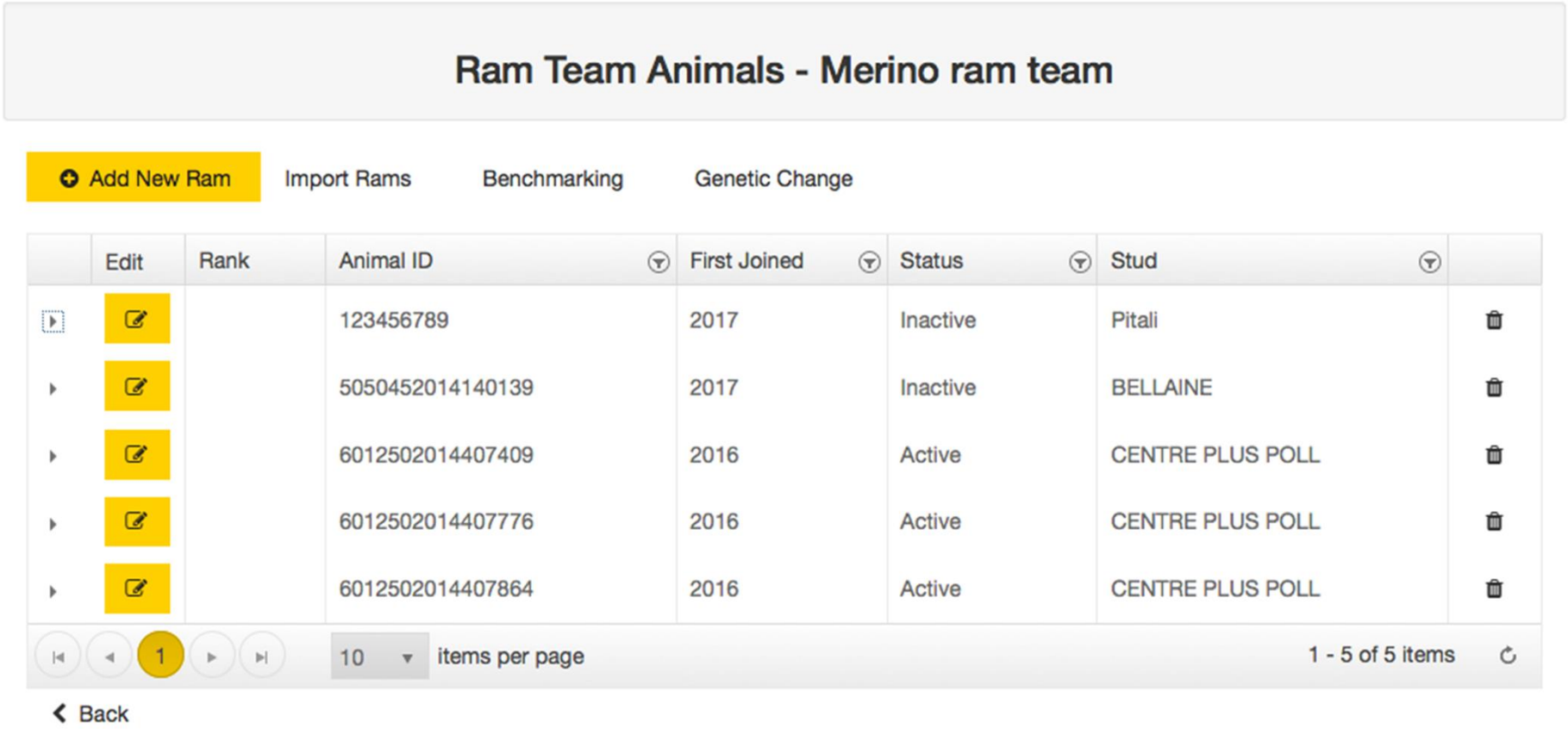
To be launched at Lambex CRC breakfast session

Australian Government
Department of Industry, Innovation and Science

Business Cooperative Research Centres Programme

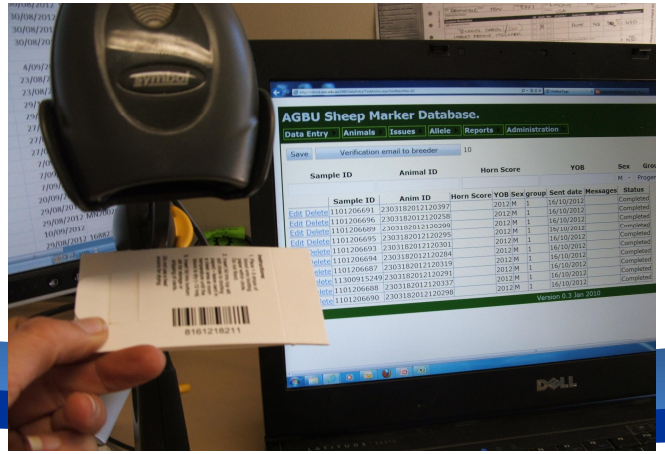
SHEEP CRC

Ram team management

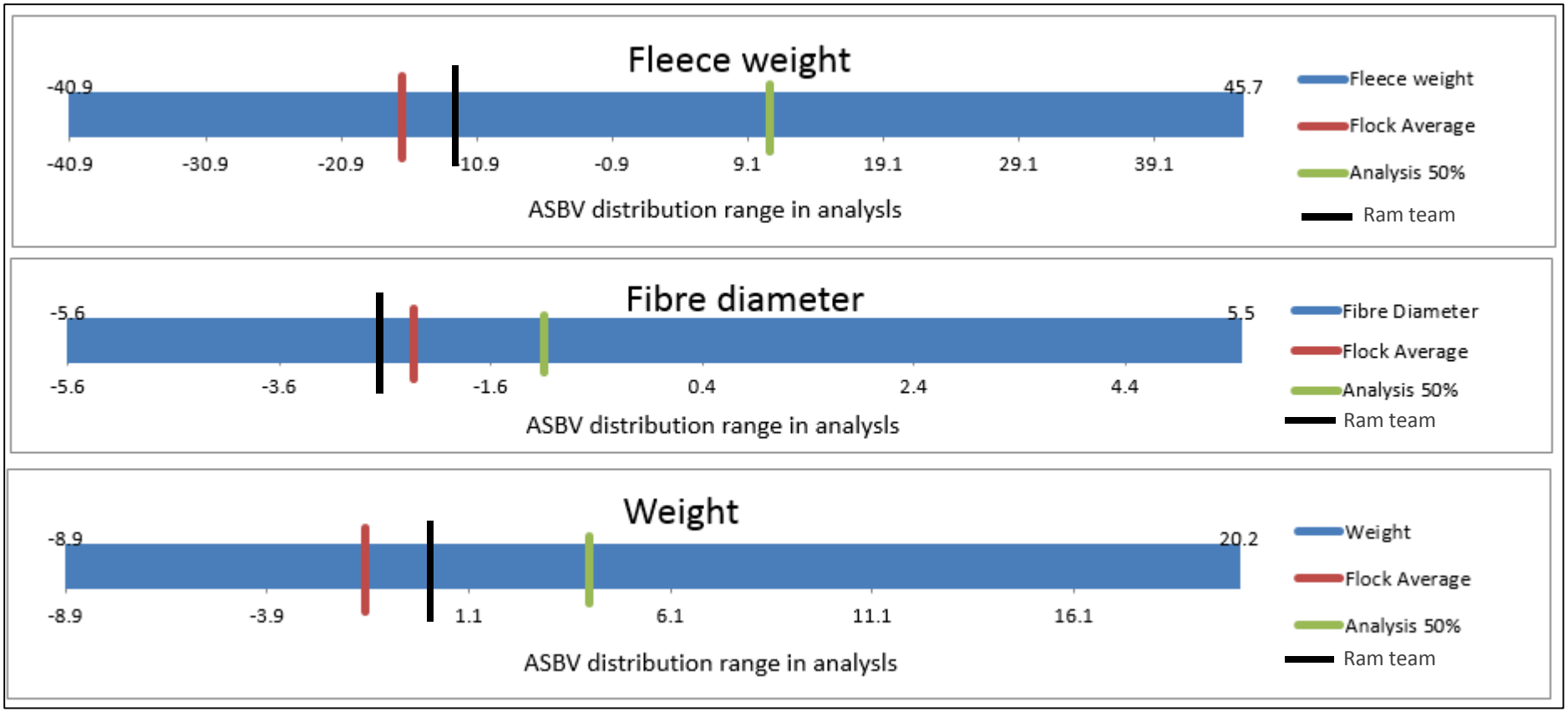


Flock profiling with genomics

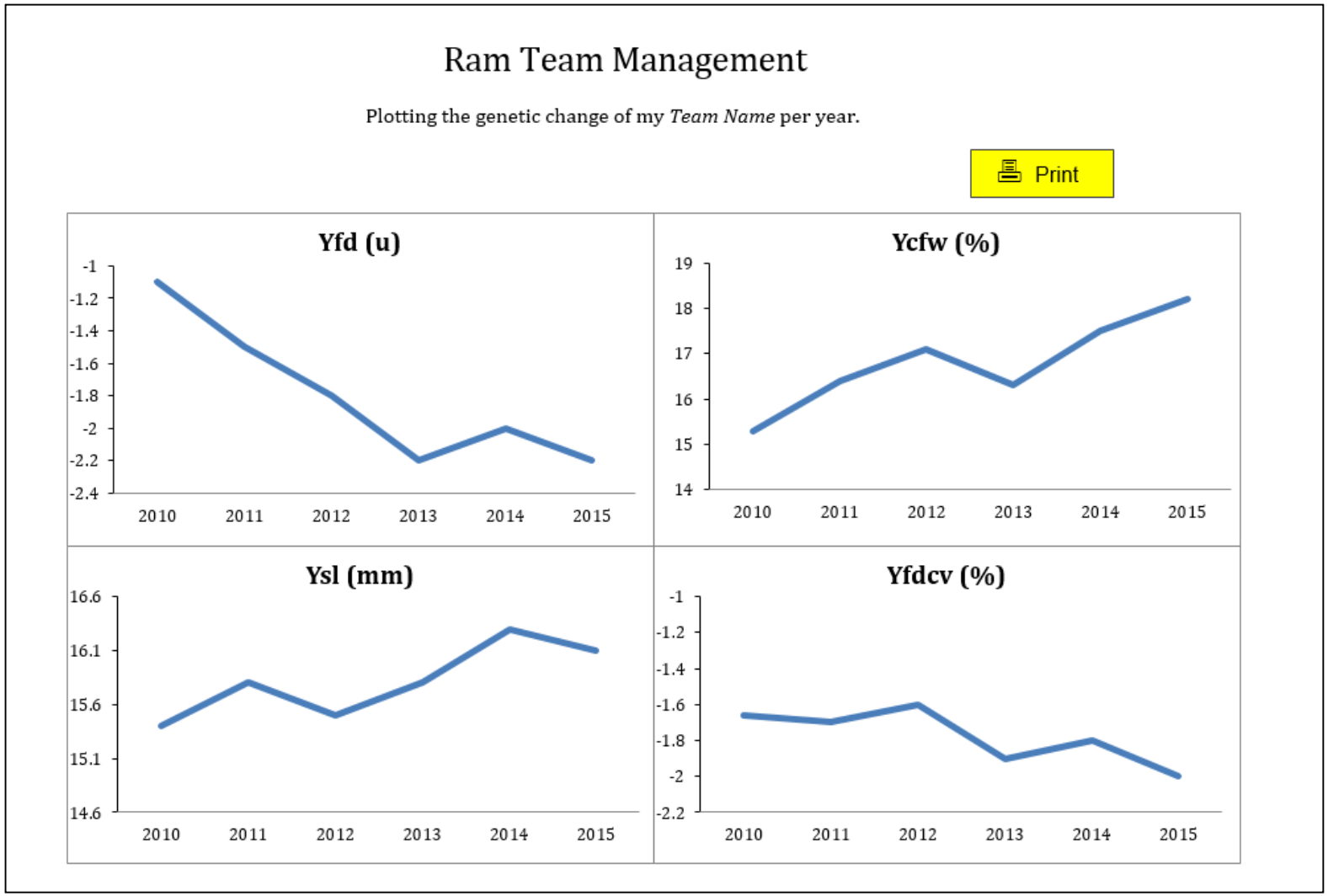
- Randomly sample 20 ewes from flock
- DNA genomic test
- Flock average ASBV
- Report results through RamSelect Plus

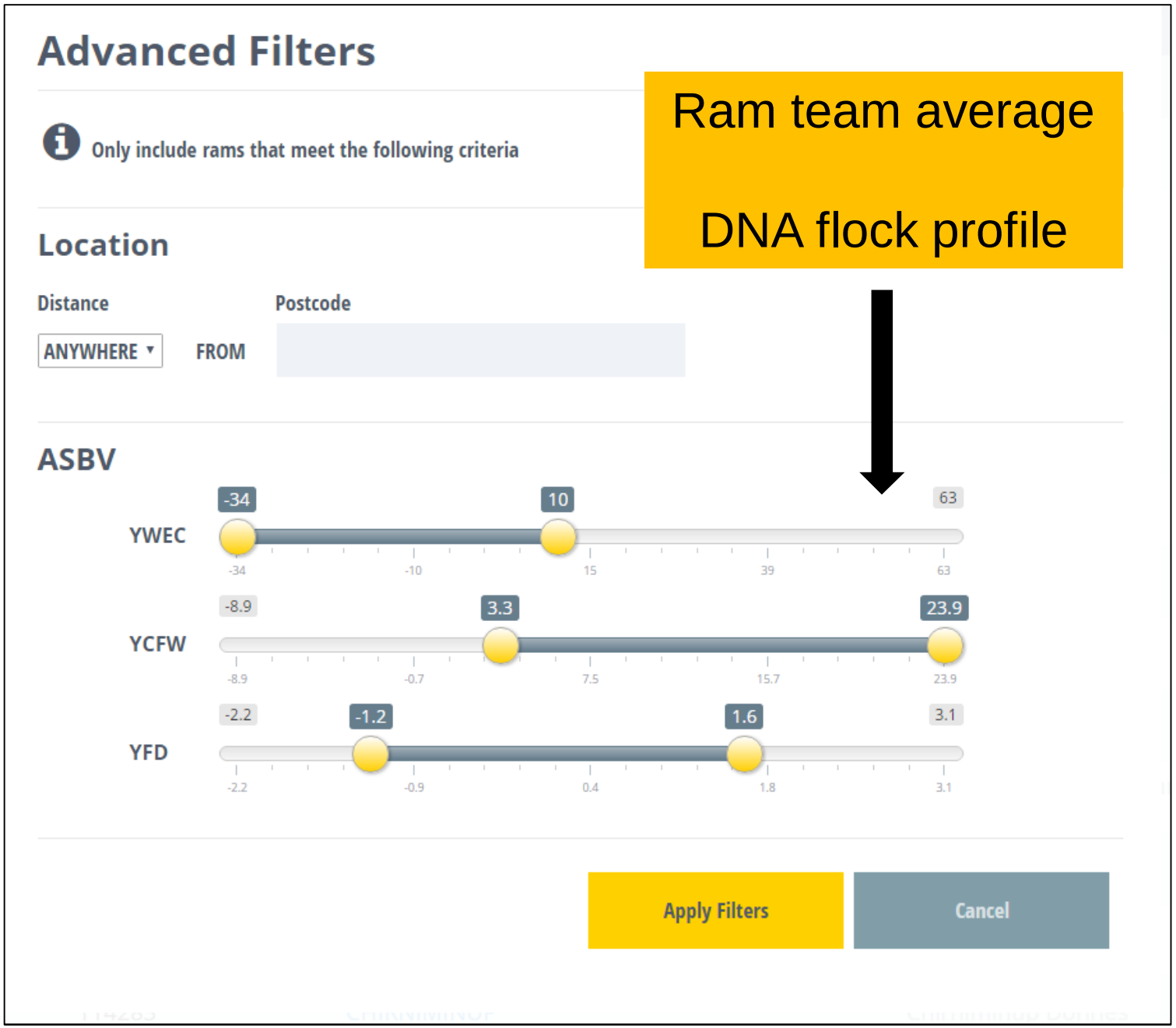


Benchmarking



Progress over time





Ram team average

DNA flock profile

RamSelect
.com.au