MEAT & LIVESTOCK AUSTRALIA

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For the latest in red meat R&D

BredWell FedWell –
breeding and feeding to maximise profit

Dr Sarita Guy

MLA, Project Manager - Genetics Adoption

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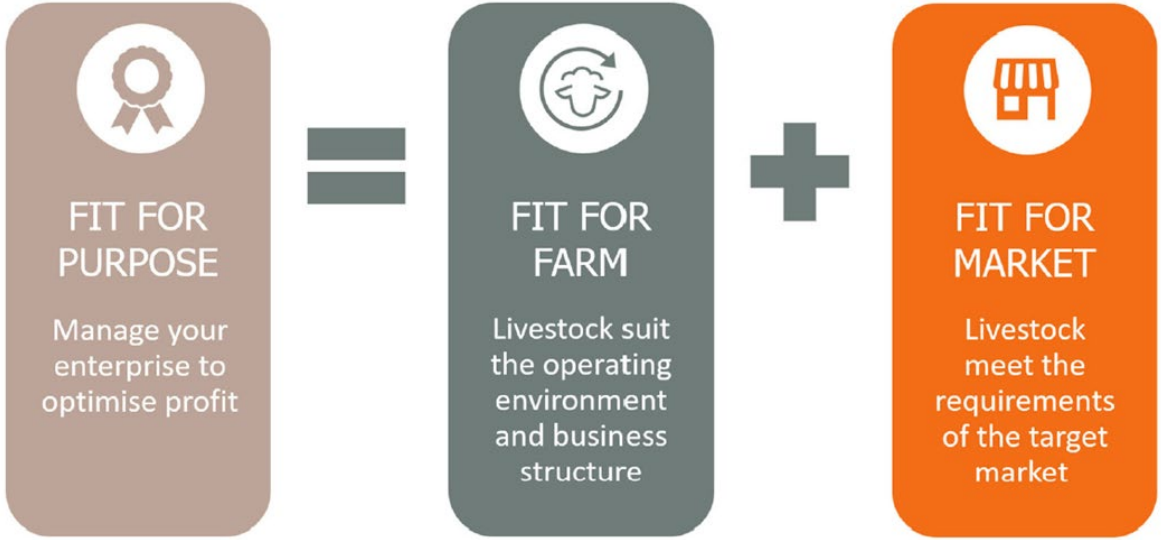
What are our objectives?



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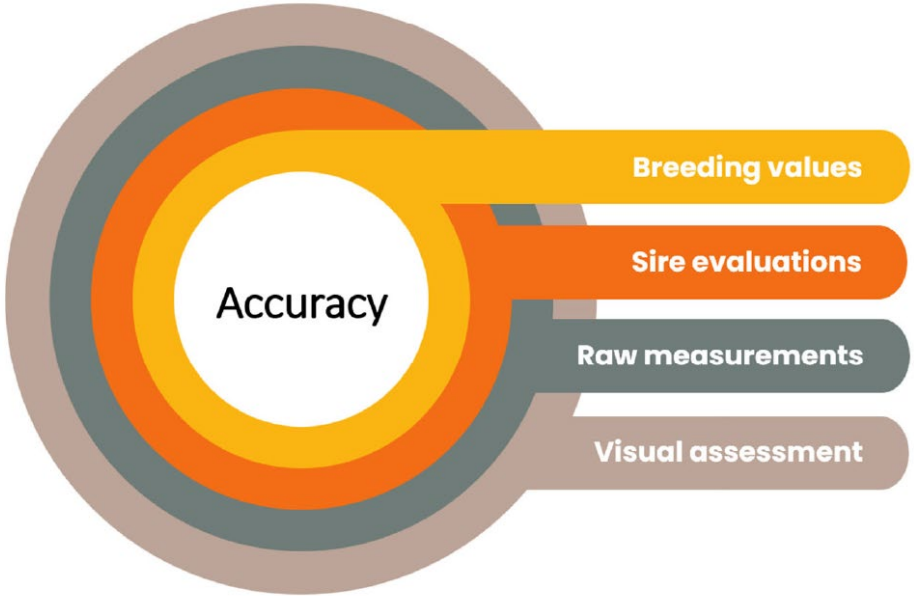
Breeding well



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What a breeding values?

An estimate of the genetic merit of an animal, and an indication how the progeny will perform

Uses information on relatives, relationships between traits, and non-genetic factors

Go hand-on-hand with visual assessment and improve your selection accuracy

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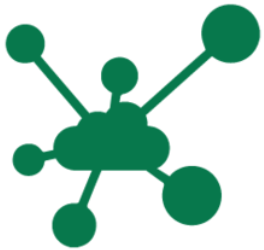
Breeding value data collection & reporting



Breeders submit performance and pedigree data

Information analysed and values estimated across flocks/herds

MERINOSELECT ASBV LAMBPLAN ASBV

Sheep GENETICS

BREEDPLAN

Breeding values via Sheep Genetics or BREEDPLAN

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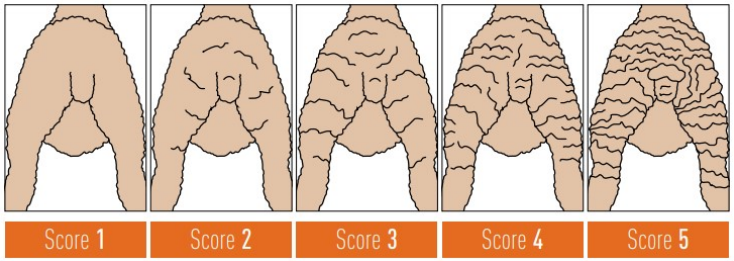
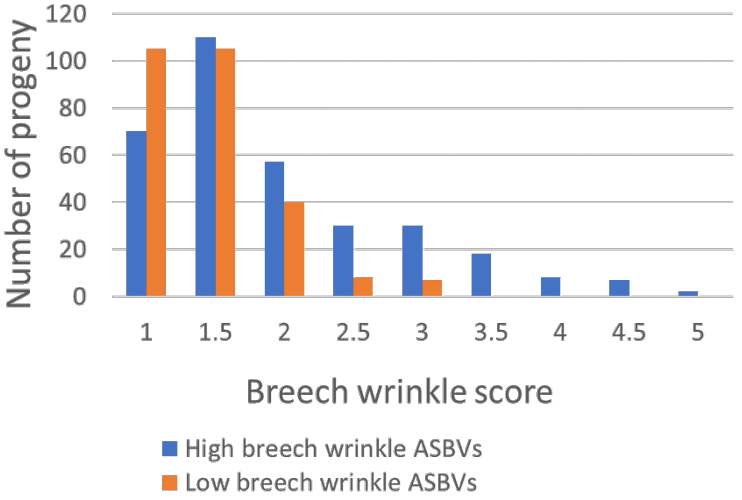
Do breeding values work?

Producer Demonstration Site

Transition to a non-mulesed flock





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Source: Lisa Warn, Sally Martin, Helen McGregor

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Do breeding values work?

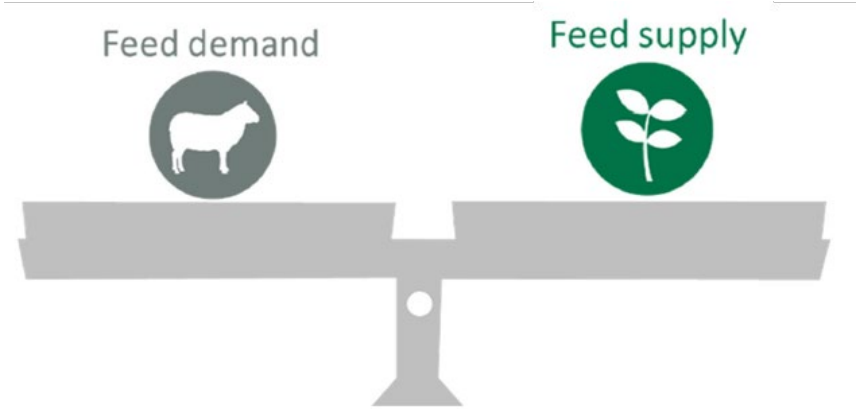
Differences between top 10 vs. bottom 10 sires

	Birth weight	200 day weight	400 day weight	600 day weight	Carcase weight	Carcase EMA	Carcase IMF
Expected	1.9 kg	8.7 kg	14.6 kg	21.1 kg	15.4 kg	3.3 cm^2	1.3 %
Actual	1.5kg	8.6 kg	14.2 kg	19.9 kg	13.4 kg	2.6 cm^2	1.5 %

Source: Angus Australia 2020, Cohorts 5-7

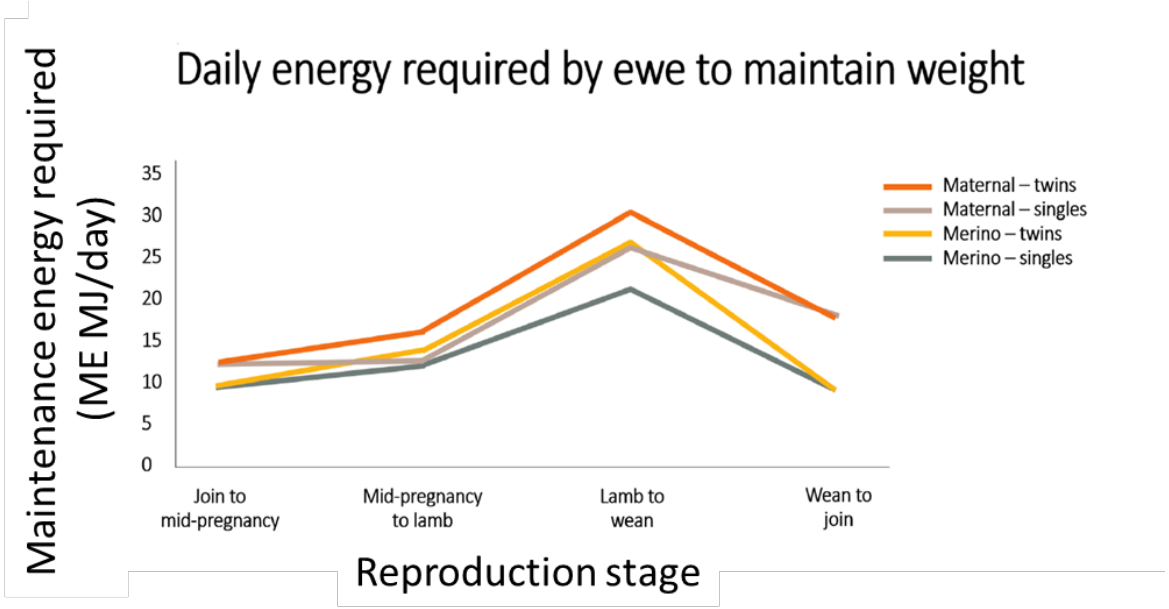
It’s not all about genetics…

Feeding well



Feeding well

Feed demand



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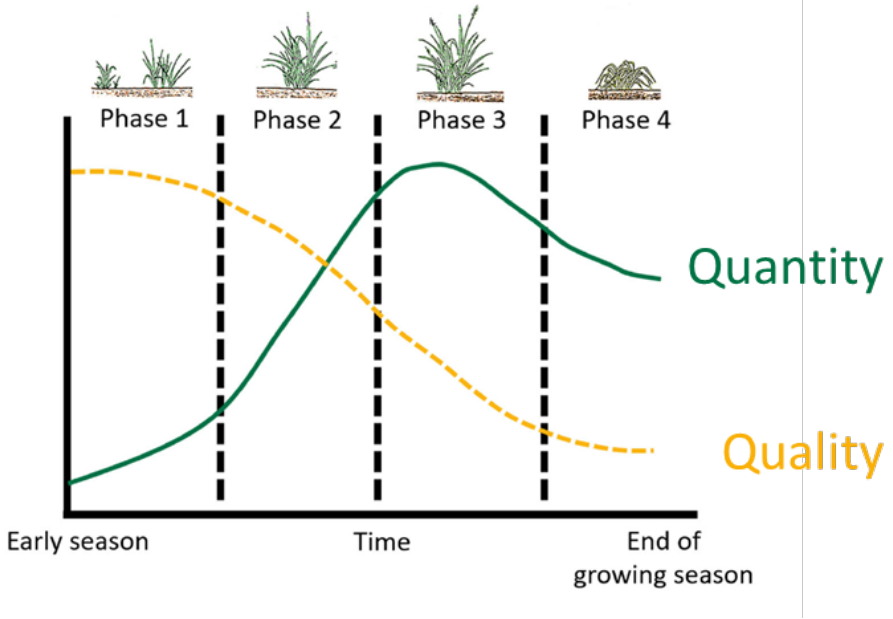
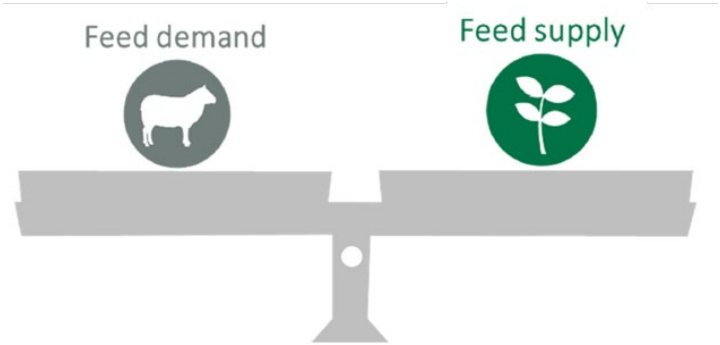
Feeding well

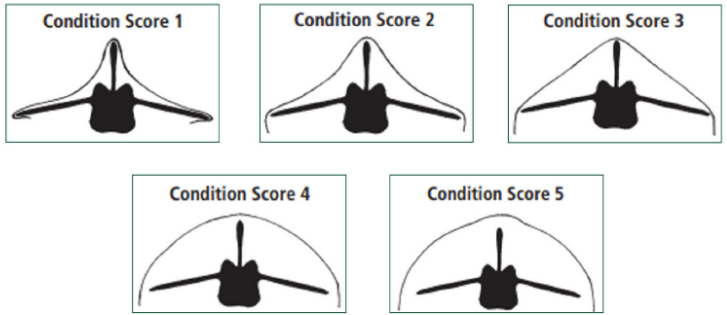
Feed supply



(Crude protein, ME, P, C, macronutrients, trace elements, fibre)

Feeding well





Source: Condition scoring of sheep brochure (Lifetime Wool/MLA)

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An introduction to

Breeding and feeding to maximise profit

NEW in 2023 • Relaunched to reflect evolving best practice

www.mla.com.au/bredwellfedwell

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On the back of a decade of success

19.6M
sheep influenced by the BWFW workshop

186 workshops

4,316 BWFW participants

$2.48 net benefit per ewe joined

12.7M breeding ewes

1.9M
cattle influenced by the BWFW workshop

45 workshops

1,155 BWFW participants

$2.98 net benefit per cow mated

639k breeding females

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What will you learn?

Develop a customised breeding plan aligned to profit drivers

Identify sires and select animals that help achieve objectives

Understand the fundamentals of feeding animals well to achieve objectives

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BredWell FedWell workshops

Informative

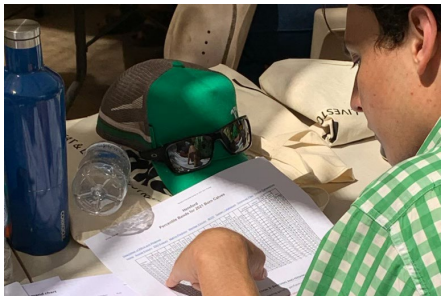
Presentations and discussions with deliverers and peers

Interactive

Practical and written activities hosted on-farm

Individualised

Learning outcomes you can apply in your own enterprise



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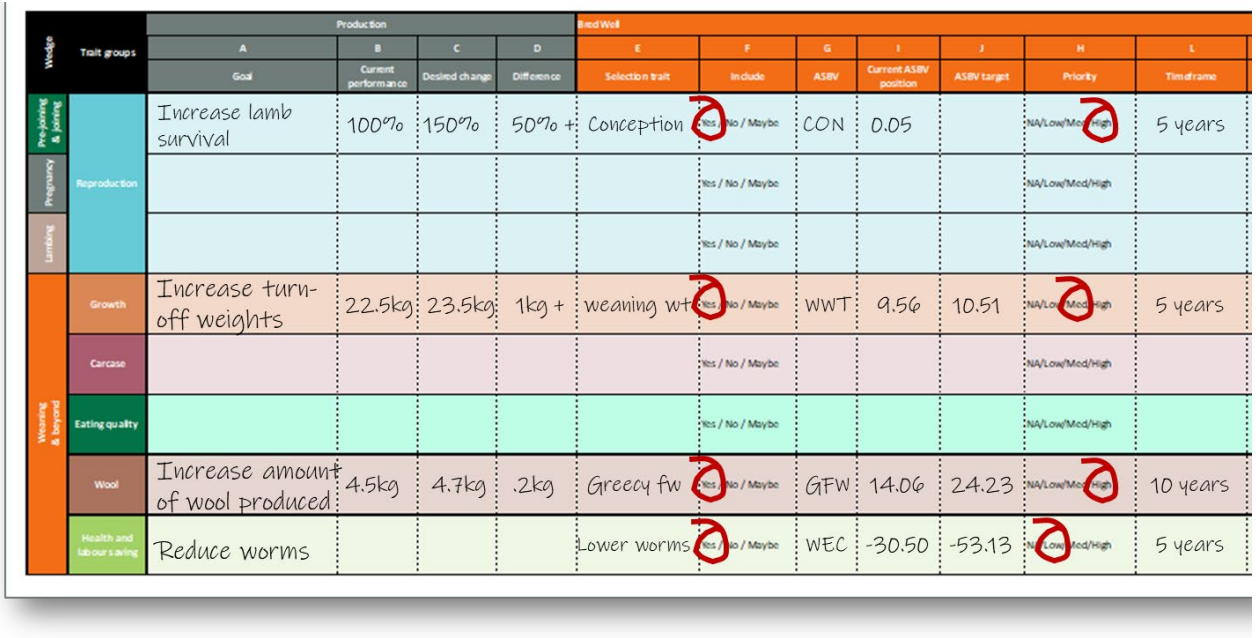
I want to…



Wedge	Trait groups	Production				BredWell						
		A	B	C	D	E	F	G	I	J	H	L
		Goal	Current performance	Desired change	Difference	Selection trait	Include	ASBV	Current ASBV position	ASBV target	Priority	Timeframe
Pre-joining & joining	Reproduction	Increase lamb survival	100%	150%	50% +	Conception	Yes / No / Maybe	CON	0.05		NA/Low/Med/High	5 years
Pregnancy							Yes / No / Maybe				NA/Low/Med/High	
Lambing							Yes / No / Maybe				NA/Low/Med/High	
Weaning & beyond	Growth	Increase turn-off weights	22.5kg	23.5kg	1kg +	weaning wt	Yes / No / Maybe	WWT	9.56	10.51	NA/Low/Med/High	5 years
	Carcase						Yes / No / Maybe				NA/Low/Med/High	
	Eating quality						Yes / No / Maybe				NA/Low/Med/High	
	Wool	Increase amount of wool produced	4.5kg	4.7kg	.2kg	Greecy fw	Yes / No / Maybe	GFW	14.06	24.23	NA/Low/Med/High	10 years
	Health and labour saving	Reduce worms				Lower worms	Yes / No / Maybe	WEC	-30.50	-53.13	NA/Low/Med/High	5 years

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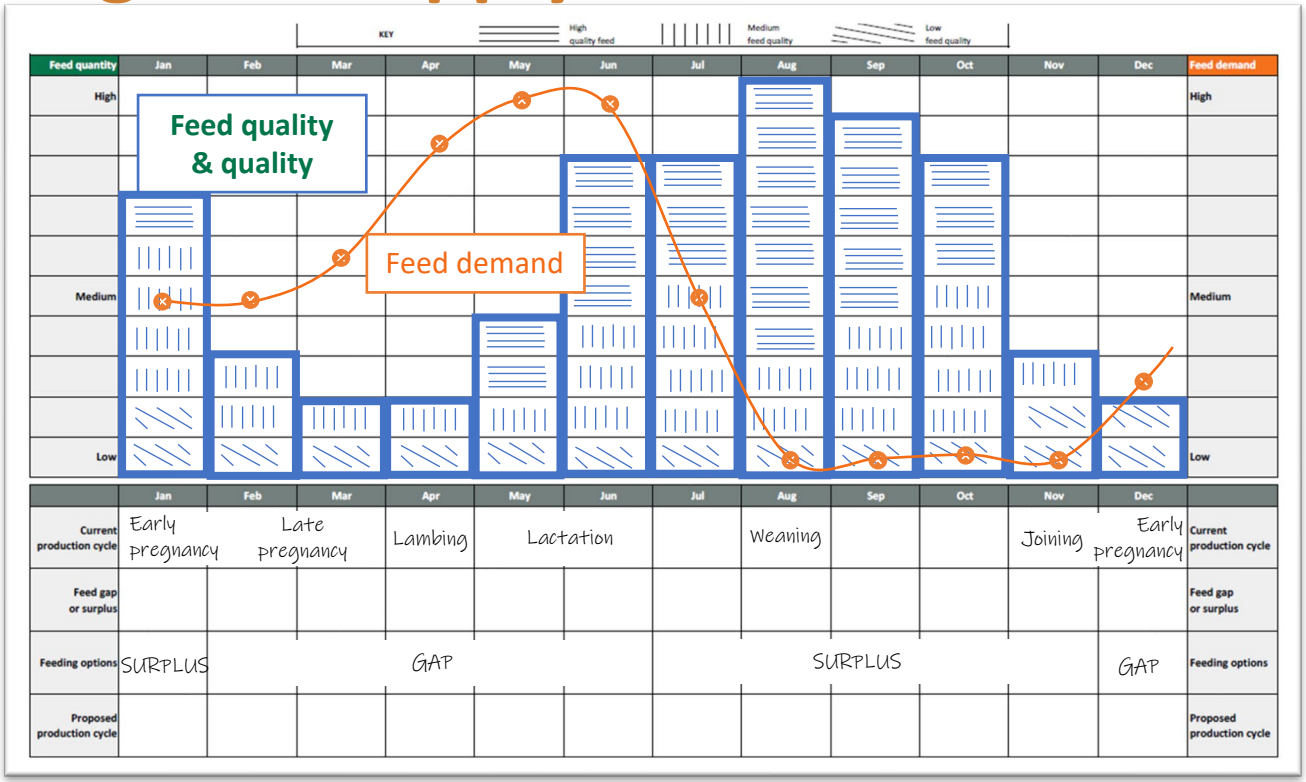
Assessing feed supply and demand



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Take home messages

- **Breed well in alignment with fit for purpose**
  Genetic tools are available.

- **Feed well to maximise genetic investment**
  Understand and match feed supply and demand.

- **MLA's refreshed BredWell FedWell workshop provides support**
  Attend a sheep or beef workshop (from April 2023)
  Host a workshop on your property

BredWell FedWell

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www.mla.com.au/bredwellfedwell

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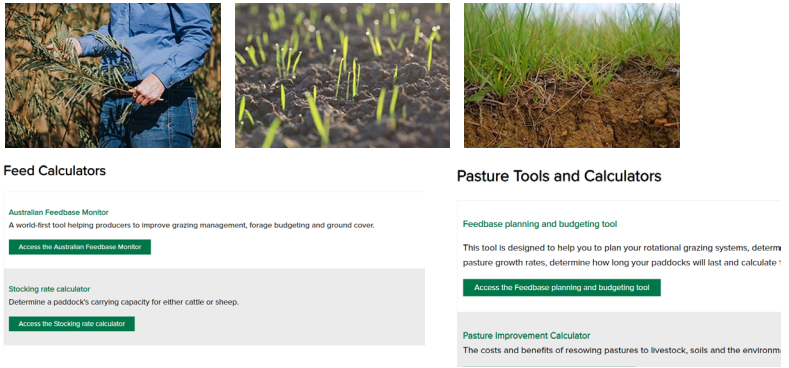
Tools and resources

MLA Genetics Hub

genetics.mla.com.au

MLA Feedbase Hub



www.mla.com.au/feedbase-hub

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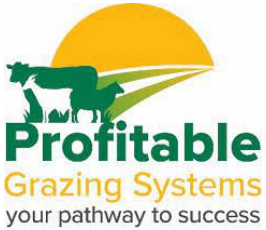
Tools and resources

Lifetime Ewe Management

awi RiST
RURAL INDUSTRIES SKILL TRAINING

www.rist.edu.au

Profitable Grazing Systems



Pasture Principles
PayDirt
Lifting Lamb Survival

www.mla.com.au/pgs

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