

MONARO MUMS

KEY PROFIT DRIVERS AND CONSTRAINTS IN FINISHING LAMBS

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Questions to answer today...

- 1. Prime Lamb Finishing Options
 - what was the most profitable?
- 2. Profit drivers in lamb finishing
 - how can I exploit them?
- 3. Finishing lambs in the Monaro
 - is it the right environment?





Prime Lamb Finishing Options

Enterprise comparison

- Traditional breeder-finisher system (pasture / fodder crop)
 - a) Self replacing Merino flock with a percentage joined to terminal sires
 - b) First cross ewes joined to terminal sires (all replacements purchased)
 - c) Self replacing Merino flock
- 2. Specialist pasture / fodder crop finishing
- 3. Specialist grain based finishing
- 4. Opportunistic grain based finishing









Prime Lamb Finishing Options

Lamb finishing comparisons

Breeder-finisher

Finishing on pasture

Finishing in feedlot (55kg)

Sell as feeders

Finishing in feedlot (45kg)

Sell as weaners





Stocking rate

Carcase price

Lambing rate

Weaning weight

Growth rate

Fleece value

Feed cost (quality)

Lamb mortality rate

✓ Infrastructure cost

Shy feeders/poor doers





Lamb mortality

Lamb mortality

Weaning weight

Very high effect on profitability (>10%)

Moderate effect on profitability (1-5%)

Growth rate

Feed cost

Lambing rate

Shy feeders





Lamb mortality

Weaning weight

Growth rate

Feed cost

Lambing rate

Shy feeders

Infrastructure

Weaning weight

Moderate effect on profitability





Lamb mortality

Weaning weight

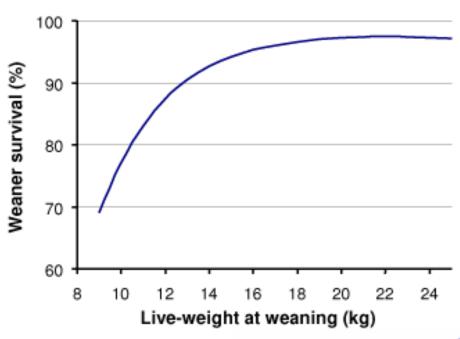
Growth rate

Feed cost

Lambing rate

Shy feeders

Live-weight at weaning and survival of Merino weaners to 12 months



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Lamb mortality

Target Weaning Weights (kg)

Weaning weight

Growth rate

Feed cost

Lambing rate

Shy feeders

Adult weight	Birth weight	Weaning weight (Merino)	Weaning weight (Crossbred)
50	4.0	22.5	27.5
55	4.4	24.8	30.3
60	4.8	27.0	33.0
65	5.2	29.3	35.8
70	5.6	31.5	38.5
75	6.0	33.8	41.3
% of adult	8%	45%	55%



Lamb mortality

Weaning weight

Growth rate

Feed cost

Lambing rate

Shy feeders

Infrastructure

Growth rate

High effect on profitability





Lamb mortality

Feed cost

High effect on profitability

Weaning weight

Growth rate

Feed cost

Lambing rate

Shy feeders







Lamb mortality

Lambing rate

Very high effect on profitability

Weaning weight

15% change resulted in up to 35% change in profitability

Growth rate

Greatest effect on crossbred compared to Merino lambs

The effect reduced as lamb growth rate increased

Feed cost

Lambing rate

Shy feeders





Lamb mortality

Nutrient demand in late pregnancy

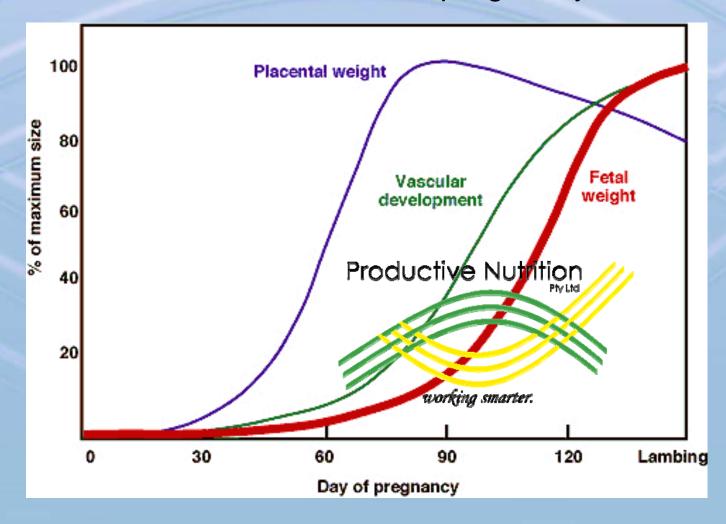
Weaning weight

Growth rate

Feed cost

Lambing rate

Shy feeders





Lamb mortality

Shy feeders / poor doers

Moderate effect on profitability

Weaning weight

Trial - Merino Lambs

- 10 day introduction period
- Bare shorn
- Straw removed Day 29
- Large tail evident
- Poor doers and shy feeders still eating

Growth rate

Feed cost

Lambing rate

Shy feeders





Lamb mortality

Infrastructure

High effect on profitability

Weaning weight

Infrastructure establishment costs per lamb for a 2000 head feedlot operated to capacity at various levels of infrastructure replacement and total number of feedlot cycles.

Growth rate

Feed cost

Lambing rate

Shy feeders

Number of cycles	Proportion of infrastructure requiring establishment or replacement							
through feedlot	100%	80%	60%	40%	20%	0%		
1	\$36.56	\$29.24	\$21.93	\$14.62	\$7.31	\$0.00		
5	\$7.31	\$5.85	\$4.39	\$2.92	\$1.46	\$0.00		
10	\$3.66	\$2.92	\$2.19	\$1.46	\$0.73	\$0.00		
15	\$2.44	\$1.95	\$1.46	\$0.97	\$0.49	\$0.00		
20	\$1.83	\$1.46	\$1.10	\$0.73	\$0.37	\$0.00		



How do I get lambs like these?

