

MONBEEF and Monaro Farming Systems

(Tour, marketing options and beef management issues)

- Management of heifers and 1st.calvers
- HGPs
- Selling comparisons

Greg Meaker

Livestock Officer, DPI Goulburn

Last trimester → Calving

Heifers and 1st. calvers

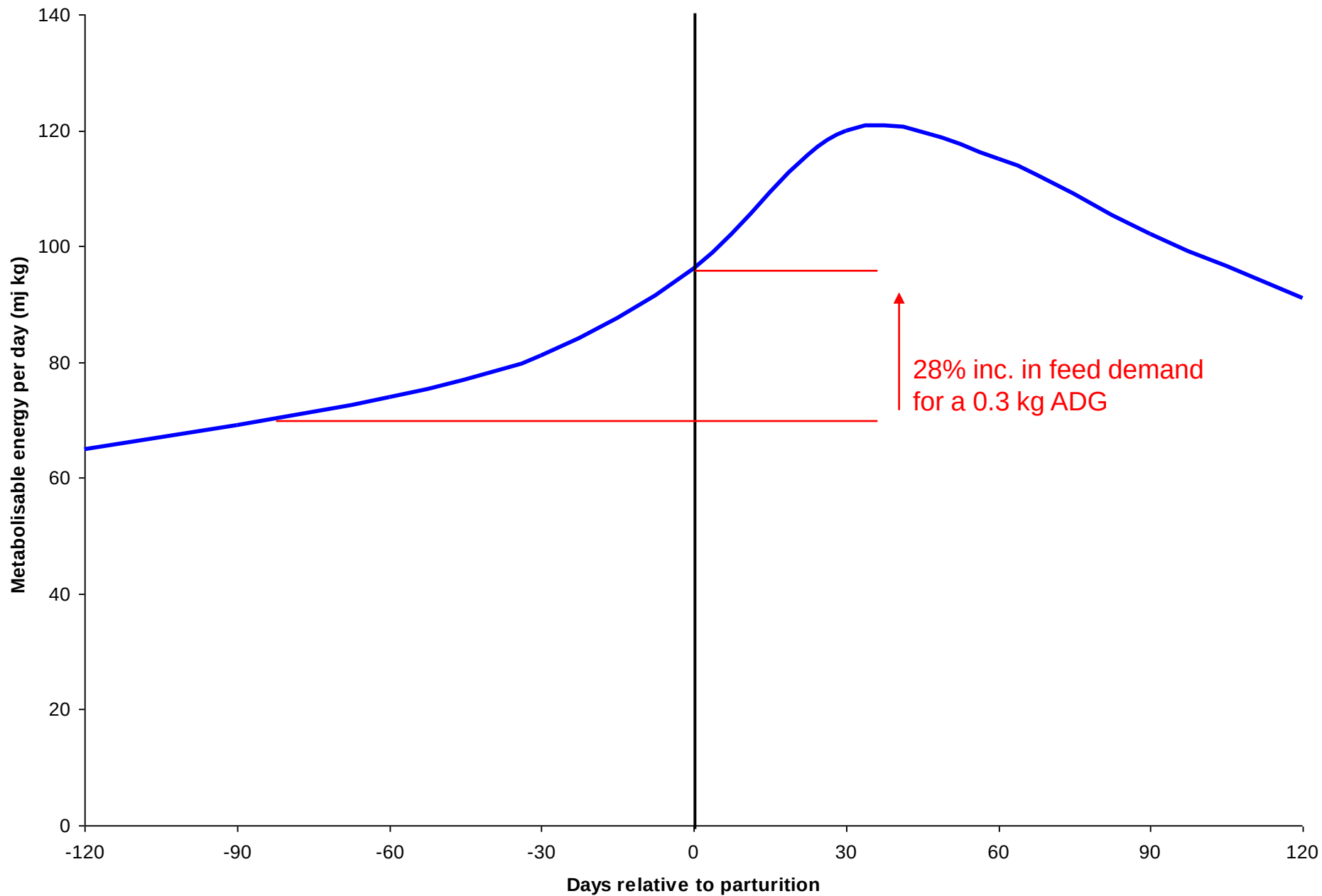
- What were the feed conditions like in the 1st. trimester?
 - **Significant weight loss** – more than normal, large cotyledons on placenta → large blood supply to foetus
 - **Or normal** – normal number, average in size cotyledons on placenta → normal blood supply to foetus
- What weight gain have they achieved?
 - 180 days @ 0.3 kg adg per day
 - Growth rate needs to be maintained in the last trimester as this is normal foetal growth rate

Last trimester → Calving

Heifers and 1st. calvers

- What are the key requirements for the last trimester?
 - Foetus strong and healthy
 - Adequate nutrition for cow condition and no weight loss
 - Strong calves at birth
 - Quick return to oestrus
 - High conception rates in the early breeding season
 - Good lactation for higher weaner weights

Requirements for energy during pregnancy and lactation



Supplement demand

- @ 500kg dm/ha green available
 - Grain
 - Early trimester: 1.7kg @ \$0.37/hd/day
 - Mid trimester: 2.6 kg @ \$0.58/hd/day
 - Late trimester: 4.8 kg @ \$1.07/hd/day
- @ 1000kg dm/ha green available
 - Grain
 - Early trimester: NOT REQUIRED
 - Mid trimester: 0.3 kg @ \$0.6/hd/day
 - Late trimester: 3.0 kg @ \$0.65/hd/day

Fat score range

Heifers & 1st. Calvers



Fat score 2

Fat score 3-

Key points to note about HGPs

- Pasture quantity and quality is consistently above the animal benchmark for the pay-out period
- Advantage of HGPs is 11-30%
- Male hormones (androgens & progestins) and female (oestrogens)
- TBA combination are aggressive implants
- Program considerations;
 - Animal needs to be gaining weight
 - More frequently treated the greater the response & continued pay-out
 - Continue to the end of the pay-out period
 - Implants containing androgen decrease carcass fatness. Oestrogenic implants do not modify the carcass
 - Repeated use results in reduced meat eating quality

HGP program

- Delayed calf marking:
 - 3-4 mths. of age
 - Increase weaning weights
 - 100 day program
 - Use registered for 'vealer use for calves'
- Weaning
- Yearling
- 2 tooth and 4 tooth steers
- All animal health (drench and vacc.) programs need to be maintained
- Keep an accurate record system that traces all HGP use
- Be aware of side affects and market acceptance
- NVD declaration is required

NB.

*Consider market specifications when choosing a program length

* Consider using a rumen modifier in conjunction with HGP

HGP SELECT



Have these cattle been treated with HGP previously?

- ☐ Yes
☒ No

Are cattle to be treated Steers or Heifers?

- ☒ Steers
☐ Heifers

Age of Cattle (Months)

- ☐ 6-11 weeks
☒ 3-6 MO not weaned
☐ 7-9 MO not weaned
☐ 10-12 MO weaned
☐ 13-15 MO yearling
☐ 16-20 MO yearling
☐ 21-24 MO rising 2 yr old
☐ 25-30 MO 2 yr old
☐ 31+ months

Will the cattle be sold, with sufficient weight & fat cover for immediate slaughter after the payout period expires?

- ☐ Yes ☒ No

Crop or Pasture available over next 3 months

- ☐ FEEDLOT
☐ Winter Cereal Crop
☐ Winter Cereal + Legume
☐ Summer Forage
☐ Summer Forage + Legume
☐ Ryegrass + legume
☐ Brassicas
☒ Naturalised /native pasture
☐ Naturalised /native + legume

Feedlot Option Inactive

- ☒ Crop/Pasture

Estimated growth rate of cattle over next 100 days (kg/hd/day average)

- ☐ Less than 0.3kg
☐ 0.3-0.5 kg
☐ 0.6-0.8 kg
☐ 0.9-1.1 kg
☒ more than 1.2 kg

OPTIONS

Synovex C

Computdose 100

Computdose 200

Computdose 400

Progro T-S

Revalor-G

Ralgro

PRINT SUMMARY

CALCULATE RETURNS

PRODUCT DETAILS

SAVE FILE

SAVE AS

CLOSE

NOTES

- Please Check your market specifications to ensure the HGP treated cattle are acceptable and without penalty.
- If you plan to reimplant the cattle immediately then avoid consecutive implants based on Trenbolone Acetate based products.
- If the cattle are entering a phase of growth rates below 0.6 kg/day then an Oestradiol or Zeranol based product would be preferred.
- These growth rates are generally attainable only in a feedlot so feedlot specific products have been listed
- Make sure you read the product label ,and write down the payout period for either grazing or grain (feedlot) use. They may be different. Also write down the reimplant time which may be different to the payout period.

Developed by

Ian Blackwood, Greg Mills & Lloyd Davies



NSW DEPARTMENT OF
PRIMARY INDUSTRIES

Version 1.01.01

SELLING SYSTEM COMPARISON (Greg Meaker)

No. of head:	1
Class of stock:	cow
Av. Weight (Full)(kg):	550
Weight loss curfew(kg.):	5.0%27.5
Liveweight (Empty)(kg.):	522.5

Saleyard			OTH			Paddock		
Est. Gross Saleyard price (c/kgLW):	118		Est. dressing %:	48.0%		Est. Gross Paddock price (c/kgLW):	0	
Est. Gross Saleyard value (\$/hd):	\$616.55		Est. hot dressed weight(kg HSCW):	250.8		Gross Paddock value (\$/hd):	\$0.00	
			Est. cold dressed weight(kg CDW):	243.3		OR		
			Est. hot dressed weight price (c/kg HSCW)	230		Est. Gross Paddock value (\$/hd):	\$0.00	
			Est. cold dressed weight price (c/kg CDW)	0				
			Gross abattoir value (\$/hd):	\$576.84				
Less costs			Less costs			Less costs		
		(kg LW)			(kg HSCW or CDW)			(kg LW)
Yard dues & weighing:	\$5.12	\$0.01	Freight:	\$13.00	\$0.05	Freight:	\$0.00	\$0.00
Freight:	\$51.00	\$0.10	Agent's commission:	0.0%	\$0.00	Agent's commission:	0.0%	\$0.00
Agent's commission:	\$30.83	\$0.06	T'levy:	\$5.00	\$0.02	T'levy:	\$0.00	\$0.00
T'levy:	\$5.00	\$0.01	Other cost1:	\$0.00	\$0.00	Other cost1:	\$0.00	\$0.00
Other cost1: per head fee	\$4.55	\$0.01	Other cost2:	\$0.00	\$0.00	Other cost2:	\$0.00	\$0.00
Other cost2:	\$0.00	\$0.00	Other cost3:	\$0.00	\$0.00	Other cost3:	\$0.00	\$0.00
Other cost3:	\$0.00	\$0.00						
Nett On-farm value (\$/hd):	\$520.05		Nett On-farm value (\$/hd):	\$558.84		Nett On-farm value (\$/hd):	\$0.00	
Nett On-farm price (c/kgLW):	\$1.00		Nett On-farm price (c/kgLW):	\$1.07		Nett On-farm price (c/kgLW):	\$0.00	

SELLING SYSTEM COMPARISON (Greg Meaker)

No. of head:	1
Class of stock:	cow
Av. Weight (Full)(kg):	450
Weight loss curfew(kg.):	5.0%22.5
Liveweight (Empty)(kg.):	427.5

Saleyard			OTH			Paddock		
Est. Gross Saleyard price (c/kgLW):	98		Est. dressing %:	46.0%		Est. Gross Paddock price (c/kgLW):	0	
Est. Gross Saleyard value (\$/hd):	\$418.95		Est. hot dressed weight(kg HSCW):	196.7		Gross Paddock value (\$/hd):	\$0.00	
			Est. cold dressed weight(kg CDW):	190.8		OR		
			Est. hot dressed weight price (c/kg HSCW)	200		Est. Gross Paddock value (\$/hd):	\$0.00	
			Est. cold dressed weight price (c/kg CDW)	0				
			Gross abattoir value (\$/hd):	\$393.30				
Less costs			Less costs			Less costs		
		(kg LW)			(kg HSCW or CDW)			(kg LW)
Yard dues & weighing:	\$5.12	\$0.01	Freight:	\$13.00	\$0.07	Freight:	\$0.00	\$0.00
Freight:	\$51.00	\$0.12	Agent's commission:	0.0%	\$0.00	Agent's commission:	0.0%	\$0.00
Agent's commission:	5.0%	\$20.95	T'levy:	\$5.00	\$0.03	T'levy:	\$0.00	\$0.00
T'levy:	\$5.00	\$0.01	Other cost1:	\$0.00	\$0.00	Other cost1:	\$0.00	\$0.00
Other cost1: per head fee	\$4.55	\$0.01	Other cost2:	\$0.00	\$0.00	Other cost2:	\$0.00	\$0.00
Other cost2:	\$0.00	\$0.00	Other cost3:	\$0.00	\$0.00	Other cost3:	\$0.00	\$0.00
Other cost3:	\$0.00	\$0.00						
Nett On-farm value (\$/hd):	\$332.33		Nett On-farm value (\$/hd):	\$375.30		Nett On-farm value (\$/hd):	\$0.00	
Nett On-farm price (c/kgLW):	\$0.78		Nett On-farm price (c/kgLW):	\$0.88		Nett On-farm price (c/kgLW):	\$0.00	

SELLING SYSTEM COMPARISON (Greg Meaker)

No. of head:	1
Class of stock:	cow
Av. Weight (Full)(kg):	650
Weight loss curfew(kg.):	5.0%32.5
Liveweight (Empty)(kg.):	617.5

Saleyard			OTH			Paddock		
Est. Gross Saleyard price (c/kgLW):	128		Est. dressing %:	52.0%		Est. Gross Paddock price (c/kgLW):	0	
Est. Gross Saleyard value (\$/hd):	\$790.40		Est. hot dressed weight(kg HSCW):	321.1		Gross Paddock value (\$/hd):	\$0.00	
			Est. cold dressed weight(kg CDW):	311.5		OR		
			Est. hot dressed weight price (c/kg HSCW)	240		Est. Gross Paddock value (\$/hd):	\$0.00	
			Est. cold dressed weight price (c/kg CDW)	0				
			Gross abattoir value (\$/hd):	\$770.64				
Less costs			Less costs			Less costs		
		(kg LW)			(kg HSCW or CDW)			(kg LW)
Yard dues & weighing:	\$5.12	\$0.01	Freight:	\$13.00	\$0.04	Freight:	\$0.00	\$0.00
Freight:	\$51.00	\$0.08	Agent's commission:	0.0%	\$0.00	Agent's commission:	0.0%	\$0.00
Agent's commission:	5.0%	\$39.52	\$0.06					
T'levy:	\$5.00	\$0.01	T'levy:	\$5.00	\$0.02	T'levy:	\$0.00	\$0.00
Other cost1: per head fee	\$4.55	\$0.01	Other cost1:	\$0.00	\$0.00	Other cost1:	\$0.00	\$0.00
Other cost2:	\$0.00	\$0.00	Other cost2:	\$0.00	\$0.00	Other cost2:	\$0.00	\$0.00
Other cost3:	\$0.00	\$0.00	Other cost3:	\$0.00	\$0.00	Other cost3:	\$0.00	\$0.00
Nett On-farm value (\$/hd):	\$685.21		Nett On-farm value (\$/hd):	\$752.64		Nett On-farm value (\$/hd):	\$0.00	
Nett On-farm price (c/kgLW):	\$1.11		Nett On-farm price (c/kgLW):	\$1.22		Nett On-farm price (c/kgLW):	\$0.00	