

**Estimated Gains Feeding 45kg Calf
at three environmental temperatures
(milk replacer 20 % protein, 20 % fat)**

Top line each row describes calf, environment, milk replacer and mixing rate for each table. **BOLD** type in each row indicates the best estimate of growth. Growth may be limited by either available energy or protein.

45kg calf @ 16° C	20-20 Milk Replacer	125g/litre mix
	Estimated gain (g/day)	Estimated gain (g/day)
Amount fed daily	based on energy	based on protein
4 litres (500g)	260	270
5 litres (625g)	450	370
6 litres (750g)	>600	470
7 litres (875g)	>700	570
8 litres (1000g)	>800	660

45kg calf @ 4° C	20-20 Milk Replacer	125g/litre mix
	Estimated gain (g/day)	Estimated gain (g/day)
Amount fed daily	based on energy	based on protein
4 litres (500g)	Weight Loss	270
5 litres (625g)	220	370
6 litres (750g)	420	470
7 litres (875g)	590	570
8 litres (1000g)	760	660

45kg calf @ -4° C	20-20 Milk Replacer	125g/litre mix
	Estimated gain (g/day)	Estimated gain (g/day)
Amount fed daily	based on energy	based on protein
4 litres (500g)	Weight loss	270
5 litres (625g)	140	370
6 litres (750g)	340	470
7 litres (875g)	520	570
8 litres (1000g)	690	660

Estimates based on 2001 NRC calf growth model.
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