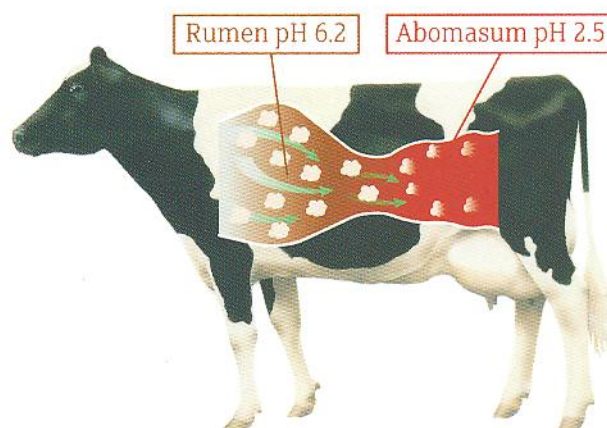


Volac Megalac®

Megalac is a rumen-protected fat, providing energy for improved milk yield, fertility and general health.

- Megalac is made by reacting fatty acids and calcium.
- Megalac bypasses the rumen (ideal pH >6) but is broken down in the abomasum (pH 2.5) to release the fatty acids and calcium for digestion.
- Megalac is 96% digestible.

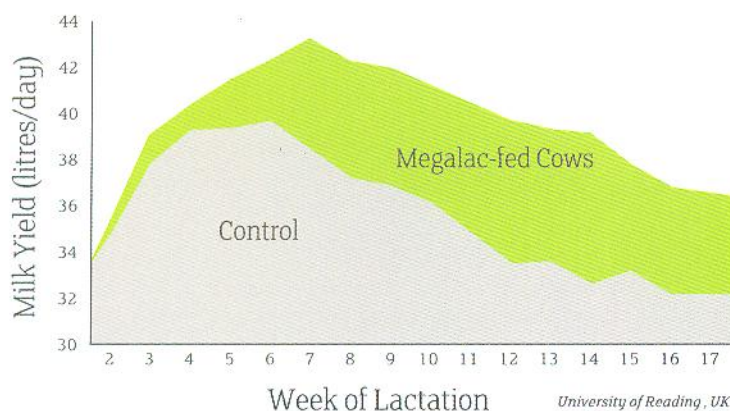


Why Feed Megalac?

Thirty years of trial work at universities, research centres and farms demonstrate improvements in herd productivity by incorporating Megalac into rations.

More Milk

- Megalac increases the energy supply for milk production.
- Megalac can improve digestibility of other dietary components to further increase energy supply.
- Results from 18 research studies showed an average increase in milk yield of 2.3 litres/cow/day due to feeding Megalac.



- Recent work at the University of Reading recorded an average increase in milk yield of 4.3 litres of milk/day when Megalac was added to the ration.

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Volac Megalac® - improves milk yield and fertility

Volac Megalac[®]

Improved Fertility

- Increasing energy supply helps reduce body condition loss.
- Improving energy balance increases chance of successful pregnancy.
- Megalac increases progesterone, the essential hormone for pregnancy.
- Work at the University of Florida in which Holstein cows were offered 450g Megalac for 120 days from calving, showed an increase in pregnancy rate. They also gave an extra 1.6 litres milk/day.

	Control Diet	Megalac-supplemented
Conception rate to 1st service (%)	33.7	45.5
Conception rate to 2nd service (%)	28.8	75.0
Pregnancy rate (%)	52.3	86.4

University of Florida, USA

Better Health

Megalac is an excellent ingredient to help formulate balanced rations which contribute to improved health.

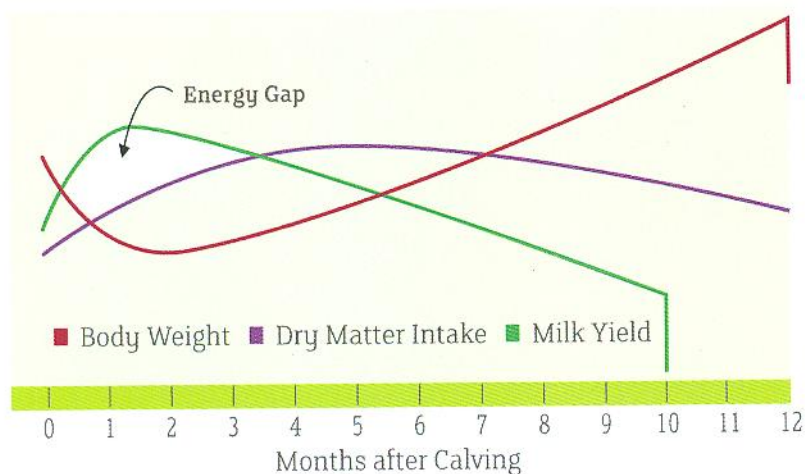
Acidosis	Megalac is not fermented in the rumen helping reduce acid load.
Lameness	Reducing acidosis can help reduce lameness.
Ketosis/fatty liver	Improving energy balance reduces body fat mobilisation.
Displaced abomasum	Better balanced rations can help reduce incidence.



Volac Megalac[®]

When to feed

- Milk yield increases rapidly after calving, while dry matter and energy intake rise at a slower rate.
- This leads to an 'energy gap' in early lactation when cows mobilise fat and lose body condition to supply the energy shortfall.



- Additional energy from Megalac is particularly beneficial to help reduce the 'energy gap' in early lactation.

- Megalac is the highest measured source of net energy available, demonstrating its highly efficient use for milk production.

Typical feed rate (g/head/day)

Lactating Cows	400-800
Dry Cows	125
Beef Cattle	200-500
Sheep & Goats	50-100

Ideally Megalac should be incorporated into the ration over a few days to help acclimatise the animal to the new ingredient.

How much fat to feed?

Milk yield	40 kg/d
Milk fat	4.0 %
Milk fat yield	1.6 kg/d
Fat to supply	1.6 kg/d

Research work indicates that the amount of fat to supply should equal the amount of fat produced in the milk. Fat may come from the diet or from body fat reserves (see Fat Calculator).

Volac Megalac[®] - improves milk yield and fertility

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Volac Megalac[®]

Description

A dry free-flowing granular product with consistently sized large granules and minimal fines.



Typical Analysis (%)

Oil	Ash	Calcium	Moisture
84	12.5	9	5
ME 33.3 MJ/kg DM			

Fatty Acid Profile (% of total fatty acids)

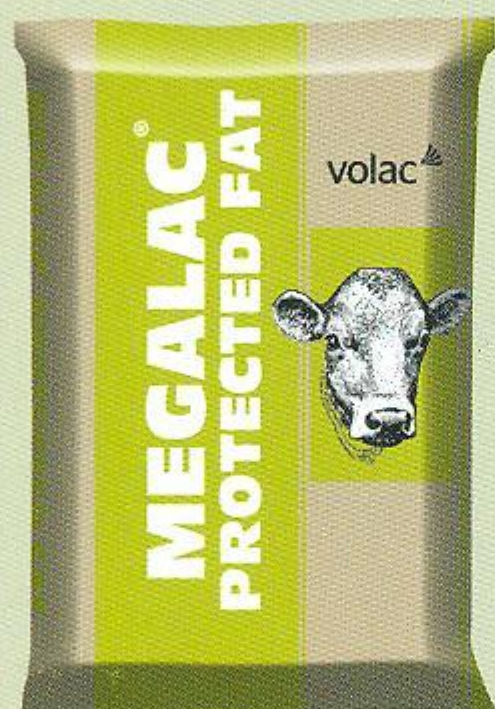
C16:0	C18:0	C18:1	C18:2
48	5	36	9

Packaging

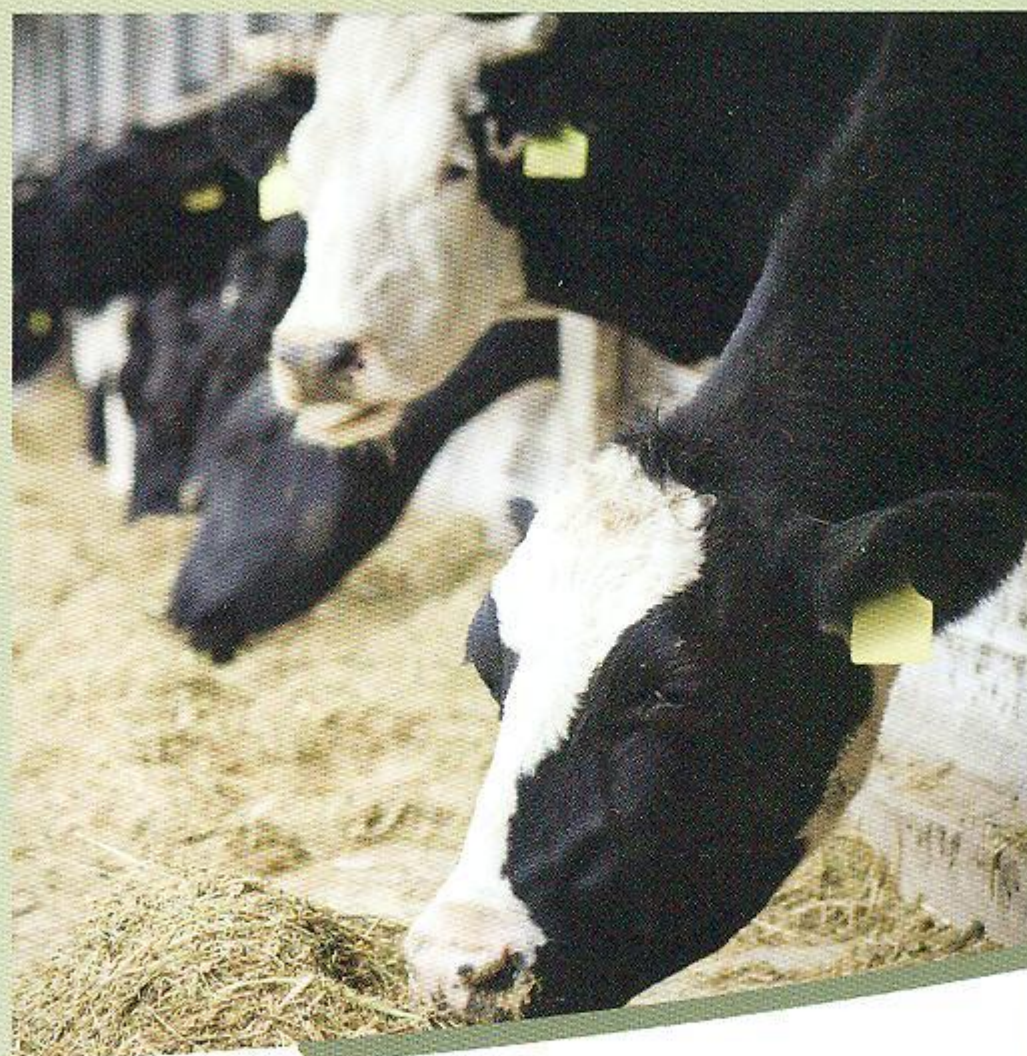
Available in 48 x 25kg bags (1.2 tonnes), mini-bulk bags and true bulk.

Storage

Store in cool, dry conditions.



Made
in the
UK by
Volac



Volac Megalac[®] - improves milk yield and fertility

For full product details and information on how Volac's "Lifetime in Milk" solutions can help realise your herd's full potential, call us on Freephone 0800 919808
www.volac.com/megalac

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