



MEGA-ENERGY

Rumen-protected fat formulated
to improve production of milk
and milk solids



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More milk and milk solids

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Mega-Energy is aimed primarily at lactating dairy animals as a supplement to increase milk yield and milk solids.

Mega-Energy supplies a concentrated source of energy from rumen-protected fat and is formulated primarily to improve milk production and overall herd performance in lactating dairy cows. The product contains a balance of the palmitic (C16) fatty acid building blocks proven to improve milk fat production and other fatty acids to directly support milk production.

Mega-Energy is also an ideal energy source to include in diets for improving performance in other ruminant animals such as beef, sheep and goats.

Targeted benefits include increased milk production, growth rates and feed efficiency.



Typical value	
Fat (%)	99 min
Typical fatty acid profile (% total fatty acids)	
C16:0	51
C18:0	37
C18:1	6
Others	6



Mega-Energy – milk production benefits

Recent research at the Schothorst Feed Research centre in the Netherlands has demonstrated the clear benefits of supplementing dairy diets with Mega-Energy.

Cows offered the Mega-Energy supplement (375 g/head/day) produced an additional 2.1 litres of milk per day across

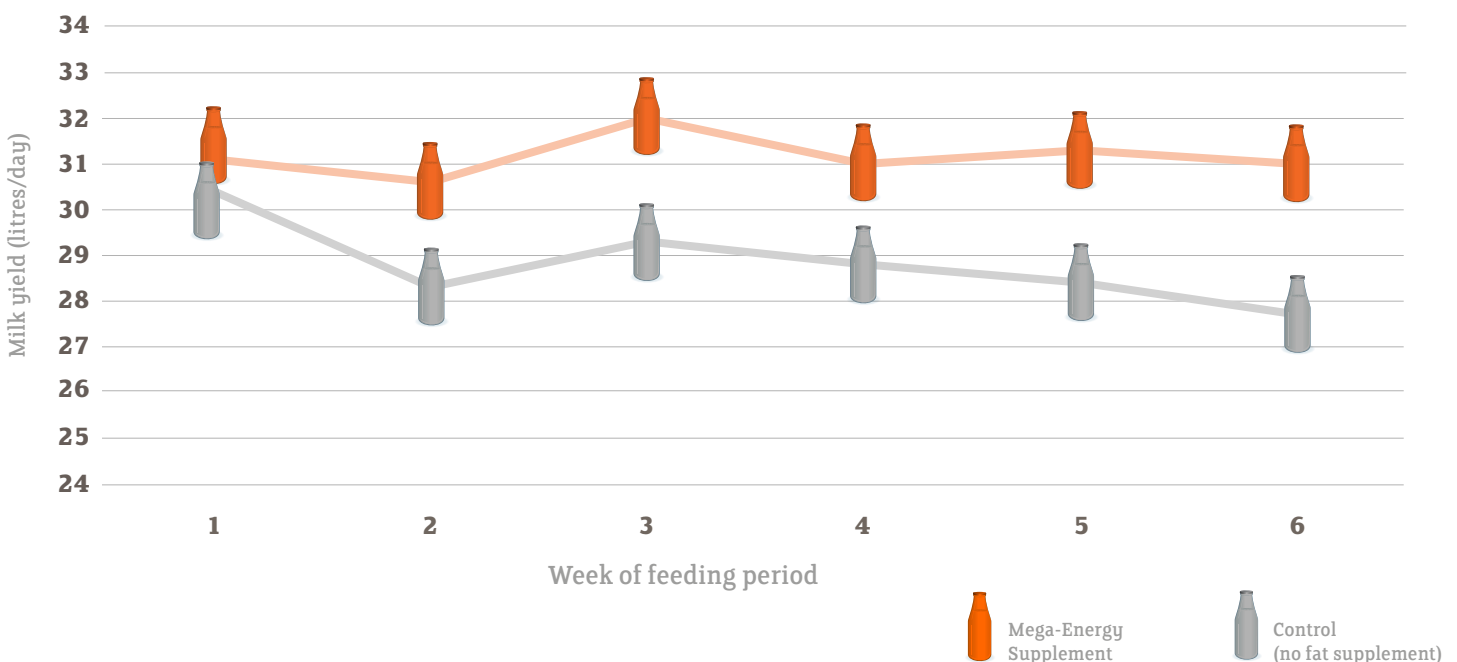
the six-week feeding period, as well as significant increases in milk fat and milk protein production.

Importantly, this improved output resulted in improved feed efficiency (more milk per unit dry matter intake).

	Control (no fat supplement)	Control + Mega-Energy Supplement
Dry matter intake (kg/day)	22.5	22.8
Milk yield (litres/day)	30.0	32.1
Milk fat (%)	4.39	4.41
Milk fat yield (kg/day)	1.31	1.41
Milk protein (%)	3.60	3.51
Milk protein yield (kg/day)	1.07	1.12
Feed efficiency (litres milk/kg dry matter intake)	1.33	1.41
Body condition score	2.6	2.6

Schothorst Feed Research, the Netherlands (2015)

Weekly milk yield recorded across the six-week feeding period



Schothorst Feed Research, the Netherlands (2015)

Other benefits of Mega-Energy

A great source of fat – one of the essential nutrients for herd productivity and animal performance.

The right kind of fat – rumen-protected fat, so avoids disruption to fibre digestion as can happen with liquid oils or high-fat ingredients added to the ration.

More energy per bite – Mega-Energy increases the energy in every kg of feed, helping cows meet their energy requirements despite reduced intakes particularly through the early lactation period.

Energy without acid – Mega-Energy is not fermented so does not add to the acid load in the rumen as is the case with starchy energy sources such as cereals. This allows energy in the diet to be increased without increasing risk of acidosis and compromising herd health.

Fertility – additional energy and increased production of the pregnancy hormone progesterone from fat.

Energy across species – suitable supplement for a range of ruminant animals.

How to feed Mega-Energy

Mega-Energy should be mixed with other ingredients in the diet and can be included as part of a total mixed ration, blend or compound pellet.

Typical feeding rates*	
Species	g/head/day
Lactating dairy cows	300-600
Dry cows	125
Beef cattle	150-300
Sheep and goats	40-80

* For more specific recommendations consult with a nutritionist



Mega-Energy description and packaging

- Dry, free-flowing prills
- Beige to dark brown in colour
- 24 x 25 kg bags per pallet (600 kg)
- Mini-bulk bags (2 x 650 kg bags /pallet)



For further information:
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