

MEGA-BOOST

Fat supplement for ruminants
and monogastrics



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More energy for production

Mega-Boost

Mega-Boost is a fat supplement formulated for use with both ruminant and monogastric animals.



Fat is the highest energy ingredient available for use in diets, though most common feedstuffs are relatively low in fat. Traditional use of liquid vegetable oils is common, but over-use of these sources can cause digestive and animal production problems, as well as being practically difficult to handle and store.

Mega-Boost provides an ideal option to increase fat and energy supply for many species of farm animals in a solid easy-to-handle form.

Properties	Typical value
Fat (%)	99.5 min
Typical fatty acid profile (% total fatty acids)	
C16:0	77
C18:0	6
C18:1	12
C18:2	2
Others	3

Mega-Boost for monogastrics

Mega-Boost provides energy to improve performance of growing and fattening pigs, lactating sows and poultry.

Animals have an essential need for fat as a nutrient. However, there is a limit as to the level of fat that can be included from traditional liquid vegetable oil sources (such as soya or rapeseed) in pig and poultry rations due to effects on feed quality and the risk of 'soft' body fat leading to poor meat quality.

In contrast, Mega-Boost is a source of 'hard' fat which can be used to adjust the unsaturated : saturated fatty acid balance of the diet to produce a firmer body fat and improved meat quality.

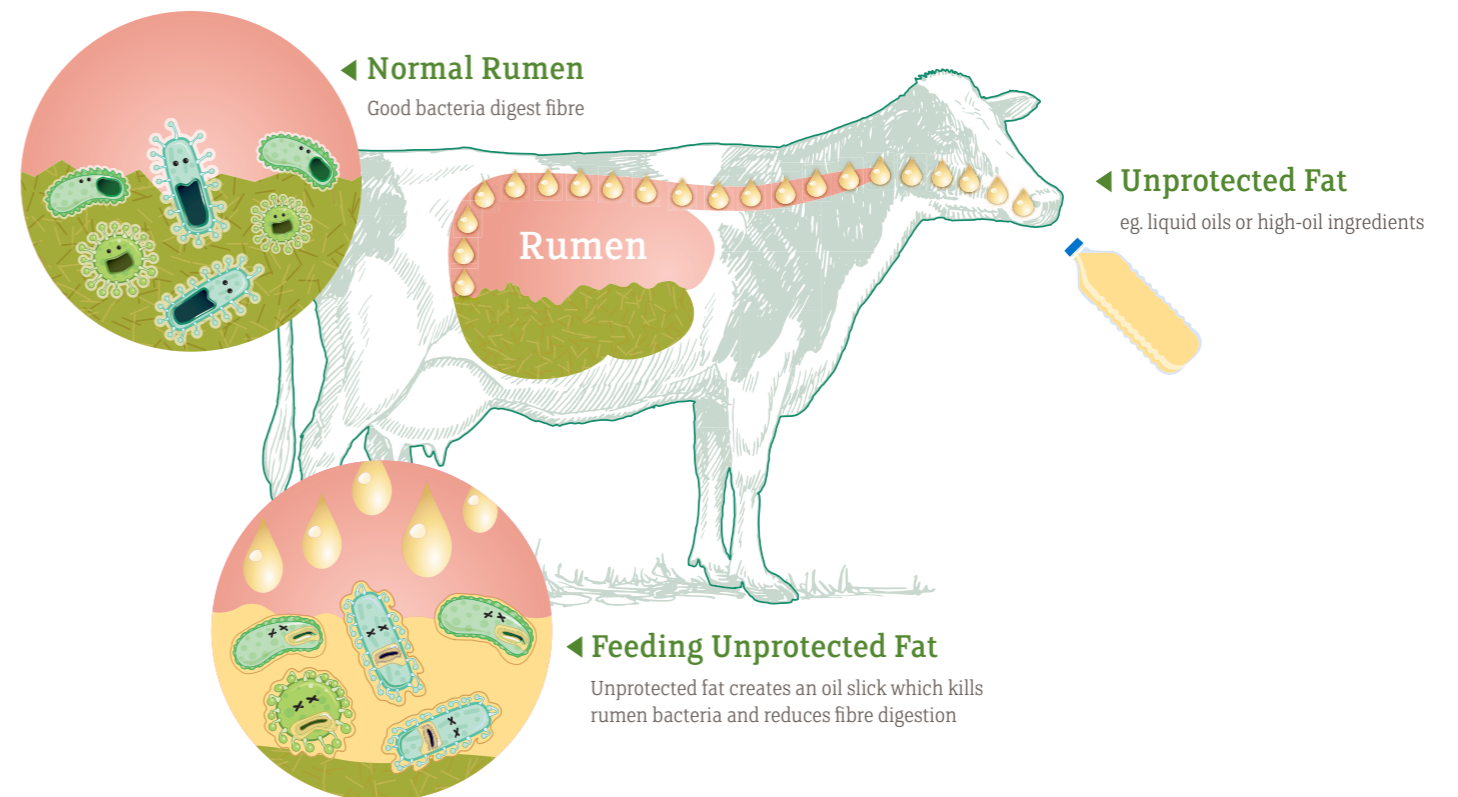
Mega-Boost provides fat in triglyceride form, the most digestible and effective form of fat for monogastrics, and can be used to reduce the proportion of the lower-digestibility 'free' fatty acids in diets.



Mega-Boost for ruminants

Adding liquid oils or high-oil ingredients to ruminant rations can cause problems as the oil is released in the rumen causing an oil 'slick' which physically coats the fibre in the diet and reduces its digestibility. This leads to low efficiency of use of the energy in the diet and issues such as low milk fat can develop.

In contrast, Mega-Boost is a solid fat supplement which provides fat in 'rumen-protected' form, enabling fat and energy supply to be increased without risk of causing digestive problems in the rumen.



As a concentrated source of fat, Mega-Boost is not fermented so does not add to the acid load in the rumen as is the case with starchy sources of energy such as cereals. This allows energy density of diets to be increased without increasing risk of acidosis and compromising herd health.

Mega-Boost provides energy to support improved milk production and contains a high proportion of the palmitic (C16:0) fatty acid raw materials proven to improve milk fat production.

Diets for growing and fattening animals can be supplemented with Mega-Boost to increase energy supply to support improved growth rates or carcass characteristics.

Fat in Mega-Boost is linked with glycerol which may also be used by the animal as a source of essential glucose to provide energy and promote milk production.











How to feed Mega-Boost

Mega-Boost provides flexibility in diet formulation as an ideal fat source for ease of use when dry fats are preferred or are a more practical option than liquid oils.

Mega-Boost 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*

Monogastrics	% of diet	Ruminants	g/head/day
Growing pigs	Up to 5 	Lactating dairy cows	300-600 
Lactating sows	Up to 5 	Dry cows	125 
Poultry - layers	Up to 5 	Beef cattle	150-300 
Poultry - broilers	Up to 5 	Sheep and goats	40-80 

Dietary factors influencing inclusion in monogastric diets

1. Unsaturated : saturated fatty acid ratio of total diet
2. Level of fat and starch in the diet
3. Free fatty acid content of total diet

* For more specific recommendations consult with a nutritionist

Mega-Boost description and packaging

- Dry, free-flowing prills
- Off-white 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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