



MEGA-FAT

RANGE

Rumen-protected fats formulated
to improve milk fat production



MEGA-FAT

More milk fat

The **Mega-Fat** range

The Mega-Fat range of fat supplements is aimed primarily at lactating dairy animals and specifically for those targeting improved milk fat percentage.

Mega-Fat products contain a high concentration of the C16 (palmitic) fatty acids proven to increase milk fat production. This high-C16 range offers products designed to meet individual requirements according to milk fat and milk production targets.

	 MEGA-FAT 70	 MEGA-FAT 88	 MEGA-FAT EXTRA
Product type	Calcium salt	Fat prill	Fat prill
Fat (%)	87	99 min	99 min
Calcium (%)	8	-	-
Moisture (%)	4	1 max	1 max
Typical fatty acid profile (% total fatty acids)			
C16:0	70	88	97
C18:0	3	8	2
C18:1	20	-	-
C18:2	5	-	-
Others	2	4	1
Product description	High in C16 fatty acids to improve milk fat %. Also contains rumen-protected C18:1 fatty acids to improve body condition, fertility and total diet fat digestibility for additional energy supply.	High concentration of C16 fatty acids to increase milk fat, with additional energy from C18:0 fatty acids. Formulated to provide rumen protection due to high melting point and to promote product stability and quality of high fat concentrate pellets.	Very high concentration of C16 to deliver the maximum proportion of the active fatty acid to stimulate milk fat production in the udder. High melting point provides rumen protection and product stability, and formulated to aid quality of high fat concentrate pellets.



Benefits of C16:0 and C18:1 fatty acids in Mega-Fat

- Efficiently absorbed by the udder
- Stimulates milk fat production
- Mega-Fat 70 contains rumen-protected C18:1 fatty acids to improve body condition, fertility and fat digestibility for increased energy supply from the ration.

Proven by research

Recent research supports the benefits of C16 supplements on milk fat production in dairy cows, with consistent improvements in milk fat % and milk fat yield.

	Control (no fat supplement)	High-C16 fat supplement
Michigan State University, USA 2013		
Milk yield (kg/day)	44.9	46.0
Milk fat (%)	3.29	3.40
Milk fat yield (kg/day)	1.45	1.53

Michigan State University, USA 2015		
Milk yield (kg/day)	35	35
Milk fat (%)	3.99	4.25
Milk fat yield (kg/day)	1.39	1.48

Other benefits of Mega-Fat products

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

Maximum energy – fat is the highest energy nutrient source available.

Energy without acid – Mega-Fat products are not fermented so do 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.

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How to feed Mega-Fat

Mega-Fat products 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 feed rates*

Species	g/head/day	
Lactating dairy cows	300 - 600	
Beef cattle	150 - 400	
Sheep	40 - 80	
Goats	40 - 80	

* For more specific recommendations consult with a nutritionist

Mega-Fat description and packaging

Mega-Fat 70:

- Dry, free-flowing granules
- Light yellow in colour



Mega-Fat 88 and Mega-Fat Extra:

- Dry, free-flowing prills
- White to off-white in colour



For further information:

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