



# 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 	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
<b>Typical fatty acid profile (% total fatty acids)</b>			
C16:0	71	88	97
C18:0	2.5	8	2
C18:1	20	-	-
C18:2	5	-	-
Others	1.5	4	1
Product description	High in C16 fatty acids to improve milk fat % in combination with fat from the proven Megalac product to improve milk yield and fertility.	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 fatty acids in Mega-Fat

- Efficiently absorbed by the udder
- Stimulates milk fat production
- Milk fat responses up to 0.3% increase reported from farms feeding high-C16 supplements

## 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
<b>Michigan State University, USA 2013</b>		
Milk yield (kg/day)	44.9	46.0
Milk fat (%)	3.29	3.40
Milk fat yield (kg/day)	1.45	1.53

	Control (no fat supplement)	High-C16 fat supplement
<b>Michigan State University, USA 2015</b>		
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.



# 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 - 300	
Sheep	40 - 80	
Goats	40 - 80	

\* For more specific recommendations consult with a nutritionist

## Mega-Fat description and packaging

### Mega-Fat:

- Dry, free-flowing granules
- Light yellow in colour
- 48 x 25 kg bags per pallet (1.2 t)
- Mini-bulk bags (1 x 950 kg / pallet)



### Mega-Fat 88 and Mega-Fat Extra:

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



For further information:

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