



MEGA-EURO

RANGE

Rumen-protected fats from
European plant sources





The Mega-Euro range

The Mega-Euro range of fat supplements is manufactured solely from plant oils grown within Europe.

Mega-Euro products are a unique range of rumen-protected fats manufactured from European rape seed oil. The range has been specifically formulated by Volac Wilmar to provide superior performance benefits to those typically available from European sources.

Type of fat

Fat supplements differ depending on the type of fatty acid building blocks they contain and this is the key factor determining the effects of a product when included in a diet. The Mega-Euro range is manufactured from free fatty acids (not bound to glycerol) which have higher digestibility than supplements based on triglycerides (fatty acids bound to glycerol).

	MEGA-EURO 16 	MEGA-EURO 18 
Product type	Calcium salt	Calcium salt
Oil source	Rape seed	Rape seed
Fat (%)	84	82
Fatty acid profile (% total fatty acids)		
C16:0	50	6
C18:0	2	38
C18:1	30	37
C18:2	9	13
C18:3	0	5
Others	9	1
Product description	<p>Similar fatty acid profile to standard Megalac with proven benefits to milk yield and fertility.</p> <p>The only European-sourced fat supplement with concentrated C16 fatty acids.</p>	<p>Higher C18:1 to improve digestibility compared to high-C18:0 hydrogenated fats = greater energy supply.</p> <p>Higher rumen-protection compared to calcium salts of rapeseed = higher milk fats.</p>

Unique fat supplements

Mega-Euro 16 is the only European-sourced supplement to contain a high proportion of the palmitic (C16:0) fatty acids proven to stimulate milk fat %, as this fatty acid is typically only found in significant concentrations in palm oil.

Mega-Euro 18 has a unique combination of rumen protected C18:1 and C18:0 (stearic acid) to provide a more-balanced formulation than traditional calcium salts of rape seed or hydrogenated rape seed oil.

Effects of C16:0 fatty acids

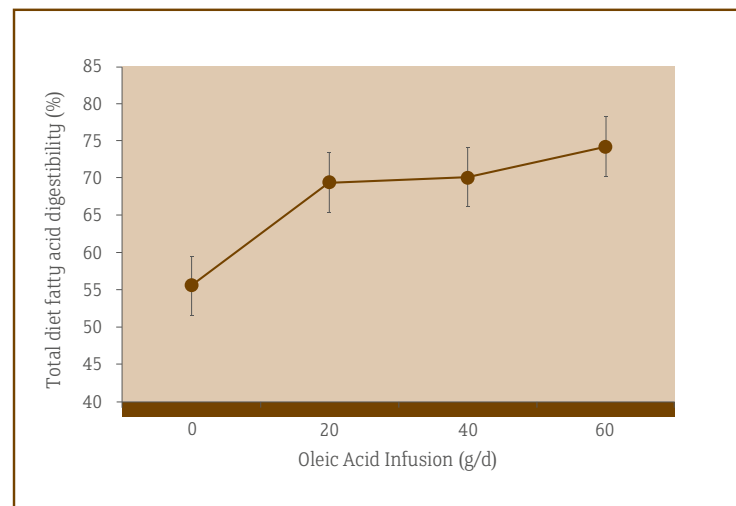
- Stimulates milk fat production for higher milk fat %
- Increases partitioning of nutrients to the udder to increase milk and milk fat production

Effects of C18:1 fatty acids

- Increases digestibility of supplement and total diet fat to increase energy supply
- Stimulates egg development to improve cow fertility
- Increases partitioning of nutrients to body fat to help maintain body condition through lactation
- Must be rumen-protected to reach the small intestine for absorption in the active form

Key benefits of Mega-Euro products

- **Sourced from European-grown rape seed oils** – supplements for target markets
- **Unique formulations** – superior products to those currently available
- **Rumen-protected** – delivers rumen-protected C18:1 fatty acids to the small intestine
- **Maximum energy** – fat is the highest energy nutrient source available
- **Energy without acid** – increased energy density without risk of acidosis



Effect of oleic acid infusion in the abomasum (avoiding rumen) on total diet fat digestibility (Prom et al., 2018; Michigan State University, USA).






MEGA-EURO
Fats from Europe

How to feed Mega-Euro

Mega-Euro 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 and goats	40 - 80	

* For more specific recommendations consult with a nutritionist

Mega-Euro description and packaging

- Dry, free-flowing granules
- Off-white in colour
- 48 x 25 kg bags per pallet (1.2 t)
- Mini-bulk bags



For further information:

Volac Wilmar Feed Ingredients Ltd, 50 Fishers Lane, Orwell, Royston, Hertfordshire, SG8 5QX, UK

Phone | +44 (0) 1223 208021 Email | enquiries@volacwilmar.com Web | www.megalac.com