


# How to feed







Products should be mixed with other ingredients in the diet and can be included as part of a total mixed ration or blend.

## Typical feed rates (g/head/day)\*

Species	Megalac Plus 	Mega-Pro 	Mega-Flax 
Lactating dairy cows	400-800	1000-1500	500-1500
Beef cattle	-	200-750	250-750
Sheep and goats	50-100	150-300	100-200

\* For more specific recommendations consult with a nutritionist

## Product description and packaging

	Megalac Plus 	Mega-Pro 	Mega-Flax 
Appearance	Granules	Dark-coloured coarse meal	Dark-coloured coarse meal
			
Packaging	48 x 25 kg bags per pallet (1.2 MT)	48 x 25 kg bags per pallet (1.2 MT) and mini-bulk bags	48 x 25 kg bags per pallet (1.2 MT) and mini-bulk bags



### MEGALAC PLUS MEGA-PRO MEGA-FLAX

Megalac-based fat supplements

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.volacwilmar.com



## MEGALAC PLUS MEGA-PRO MEGA-FLAX

A range of fat supplements formulated with Megalac in combination with other nutrients



### MEGALAC PLUS MEGA-PRO MEGA-FLAX

Megalac-based fat supplements



# Megalac-based fat supplements

Megalac Plus, Mega-Pro and Mega-Flax are a range of fat supplements manufactured from Megalac in combination with other nutrient sources to meet specific nutritional targets.

## What is Megalac?

Megalac is a high-energy rumen-protected fat proven to improve milk yield and fertility in dairy cows.




This range of Megalac-based supplements offer an extension of these benefits to include methionine and rumen-bypass protein, essential nutrients for optimal milk production, or omega-3 fatty acids which are an essential component of an animal's diet for normal function and improving cow fertility. The products have the benefit of supplying two essential nutrient sources in a single bag, increasing convenience at farm level.



## General benefits

- **Great sources 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** – fat supplements increase the energy in every kg of feed, helping cows meet their energy requirements even when intakes are low.
- **Energy without acid** – fat is not fermented so does not add to the acid load in the rumen as is the case with starch-based energy sources such as cereals. This allows energy in the diet to be increased without increasing risk of acidosis and compromising herd health.
- **Fertility** – fat increases production of the pregnancy hormone progesterone.
- **Energy across species** – suitable supplements for a range of ruminant animals.



	 <b>Megalac Plus</b>	 <b>Mega-Pro</b>	 <b>Mega-Flax</b>
Megalac in combination with :	Rumen-protected methionine source	Rumen-bypass protein	Omega-3 fatty acids
Fat (%)	80.5	30	50
Protein (%)	-	23 (70% bypass)	15
Methionine (%)	3	-	-
Fibre (%)	-	11	7.5
Calcium (%)	9	4.5	5
Moisture (%)	5	7	4
ME (MJ/kg DM)	32.3	19	23

### Typical fatty acid profile (% total fatty acids)

C16:0	48	48	26
C18:0	5	5	3.7
C18:1	36	36	26
C18:2	9	9	12
C18:3	-	-	32
Others	2	2	0.3

Additional target above Megalac	Milk composition	Milk solids	Fertility
Key features	Methionine is essential for milk protein production and also plays an essential role in preventing the build-up of fat in the liver and increasing supply for milk fat production.	Rumen-bypass protein is needed to balance the energy from fat to promote maximum milk production. Also contains the essential amino acids, methionine and lysine, in ideal balance.	Omega-3 fatty acids are essential in the diet and play a key role in improving embryo survival and maintaining pregnancy.

**MEGALAC PLUS**  
**MEGA-PRO MEGA-FLAX**

Megalac-based fat supplements