

MEGA-ONE

RANGE

Solid fat supplements with lecithin
formulated to supply digestible
energy for pigs and poultry



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More energy for pigs and poultry

The **Mega-One** range

The Mega-One range of supplements are solid fat sources with lecithin phospholipids for use in pig and poultry diets.

The primary reason for adding fats to monogastric diets is to provide additional energy above that of other ingredients. However, traditional liquid vegetable oil sources used in diets can prove difficult to handle and store and may lead to problems post-slaughter due to soft body fat which can reduce meat quality.



Easy-to-handle

In contrast to vegetable oils, Mega-One products are manufactured from high melting point (hard) fatty acids (the building blocks of fat) resulting in easy-to-handle, solid fat supplements.



Source of energy

Fat is the highest energy ingredient available and Mega-One products are a very concentrated source of fat to supply energy for improved liveweight gain, increased milk production in lactating sows and improved layer performance.

Meat quality

Mega-One products are formulated to help improve the quality of pig and poultry meat as the more saturated, hard (C16:0 and C18:0) fatty acids can be deposited in body fat stores to help reduce the risk of 'soft' belly fat.

Hence, the Mega-One range can increase flexibility in ration formulation to help reduce reliance on liquid vegetable oils which contain high levels of the softer unsaturated fatty acids - the primary cause of soft carcass fat.



Form of fat

Mega-One products supply fat in the form of triglycerides (three fatty acids linked to glycerol) which is a more digestible and effective form of fat for monogastrics than fat in the form of 'free' fatty acids.

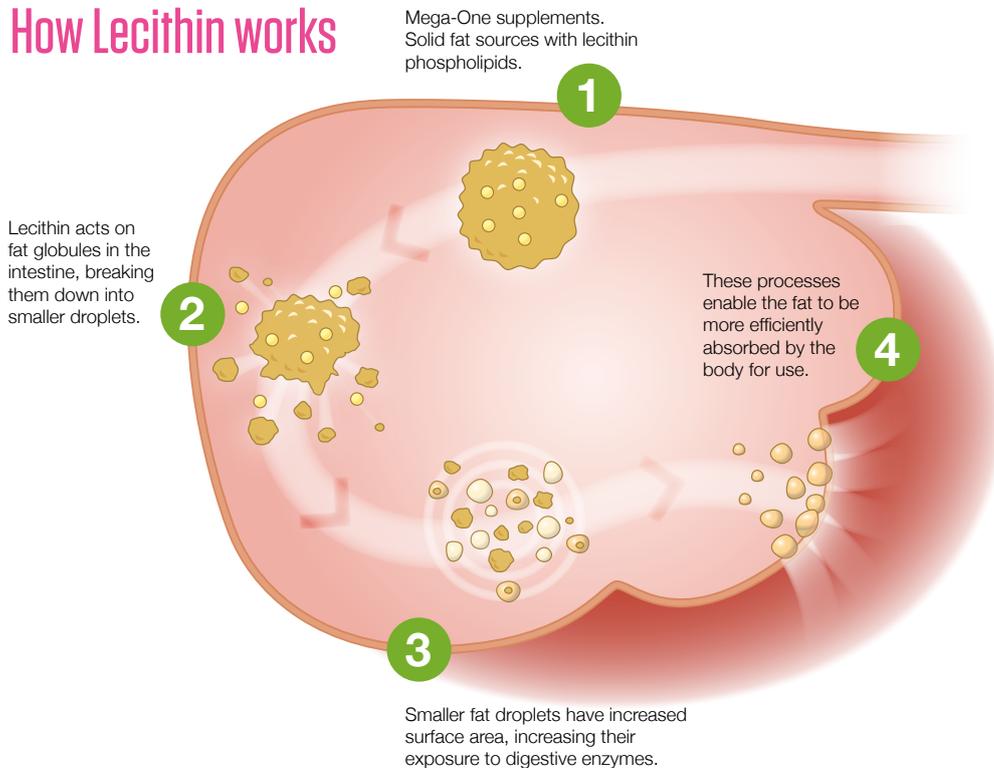
	Mega-One	Mega-One Extra
Fat (%)	99.5	99.5
Lecithin phospholipids (%)	6	12
Typical fatty acid profile (% total fatty acids)		
C16:0	75	73
C18:0	6	6
C18:1	12	12
C18:2	4	6
Others	3	3
Product description	Solid fat source with 6% lecithin to improve digestibility. Concentrated Source of energy which can help improve meat quality.	Solid fat source with 12% lecithin to improve digestibility in young animals whose digestive systems are not fully developed. Concentrated source of energy which can help improve meat quality.



The Lecithin difference

Mega-One products contain naturally-sourced lecithin phospholipids which act as an emulsifier to improve the digestibility of fat in the diet. Lecithin acts on the fat globules in the intestine, breaking them down into smaller fractions to increase the surface area of fat exposed to the digestive enzymes which break down the fat and enable it to be absorbed by the body for use.

How Lecithin works



Key benefits of Mega-One products

- **Solid Fat** - easy-to-use
- **A great source of fat** – one of the essential nutrients for production and performance
- **High energy** – fat is the highest energy nutrient source available
- **Type of fat** – based on more-saturated, hard fatty acids to help balance the unsaturated : saturated fatty acid profile of diets to reduce soft fat issues and improve stability of meat



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How to feed Mega-One

Mega-One products provide flexibility in diet formulation as ideal fat sources for ease of use when dry fats are preferred or are a more practical option compared to liquid oils.

Mega-One products should be mixed with other ingredients in the diet and can be included as part of a compound pellet, mash or home mix.

Typical feed rates*

Animal	% of diet	Dietary factors influencing inclusion
Growing pigs	Up to 5 - depending on other factors in the diet	<ol style="list-style-type: none">1. Unsaturated : saturated fatty acid ratio of the total diet2. Level of fat and starch in the diet3. Free fatty acid content of the total diet
Lactating sows		
Poultry - layers		
Poultry - broilers		

* For more specific recommendations consult with a nutritionist

Mega-One description and packaging

- Dry, free-flowing prills
- Yellow 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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