Ruminants

	Category	Rumen-protection	Fat (%)	Free fatty acids (%)	Ca (%)	Ash (%)	Moisture (%)	Main fatty acids (% total fatty acids) C16:0	C18:0	C18:1	C18:2	Key product features and benefits
Megalac	Ca salt	Solid, insoluble salt	84		9	12.5	5	48	5	36	9	Proven to increase milk yield and cow fertility. Highest measured NE_L of any fat supplement. Over 40 years research work and on-farm experience.
Megalac 2.0	Ca salt	Solid, insoluble salt	84		9	12.5	5	48	5	36	9	Increased milk yield and fertility. Low odour.
Mega-Max	Ca salt	Solid, insoluble salt	84		9	13	4	58	5	28	6	Multi-purpose fat with proven 60 palmitic - 30 oleic ratio.
Mega-Max 2.0	Ca salt	Solid, insoluble salt	84		9	13	4	58	5	28	6	Multi-purpose fat with proven 60 palmitic - 30 oleic ratio. Low odour.
Mega-Fat 70	Ca salt / Mid-C16	Solid, insoluble salt	87		8	11	4	70	3	20	5	Combines the benefits of Megalac for milk yield and fertility with C16 fatty acids to increase milk fat %.
Mega-Fat 88	High-C16	High melting point	99	98			<1	88	8			Unique to Volac Wilmar, high-C16 guarantee for increasing milk fat % with high melting point C18:0 as a further energy source. Formulated for product and rumen stability due to removal of 'softer', rumen-active fatty acids (e.g. C18:1).
Mega-Fat Extra	High-C16	High melting point	99	99.5			<1	97	2			Very high concentration of C16 fatty acids to increase milk fat %. Not 'diluted' with non-target fatty acids.
Mega-Energy	Hydrogenated	High melting point	99	88			<1	51	37	6		General energy supplement with C16 to increase milk fat along with C18:0 as an energy source. Targeted to increase milk and milk solids.
Mega-Boost	Triglyceride	High melting point	99.9	0.1			<1	77	6	12	2	High-C16 formulation to increase milk fat, along with glycerol which may be converted to glucose for milk production. Also energy source for monogastrics.
		Calcium salts are insoluble in the rumen, enabling fatty acids to pass through to the small intestine. High melting point fatty acids pass through the rumen as they remain solid at rumen temperature.	Essential nutrient and supplies energy. Fatty acid profile primarily determines response expected in the animal.		Available to the animal to support the essential demand for calcium for milk production and other requirements.			Stimulates milk fat production.	Metabolised for energy.	Improves micelle formation and fat digestibility. Can help improve body condition and development of fertilised eggs for better fertility.	Essential fatty acid. Should be offered in rumen-protected form to avoid *trans* fatty acid production and reduced milk fat %.	
								Key fatty acid effect				

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