

NUTRITION GUIDE

MEGA-MAX 2.0

The multi-purpose rumen-protected fat

Mega-Max 2.0 is a low odour proven rumen-protected fat supplement based on latest research data, particularly suited for early lactation dairy cows.

Why is Mega-Max 2.0 unique ?

Fatty acids are the building blocks of fat and individual fatty acids have very different effects when included in dairy diets.

Mega-Max 2.0 is based on research showing production and body condition benefits of a blend of 60% C16:0 (palmitic acid) and 30% C18:1 (oleic acid).

Palmitic acid

Very effective at increasing milk fat % but research shows that high-C16 formulations can result in loss of body weight and condition score in early lactation.

Oleic acid

Increases total diet fatty acid digestibility, releasing more megajoules of energy, improves development of eggs to aid fertility and helps reduce loss of body condition.



Why is Mega-Max 2.0 unique ?

Data from Michigan State University, USA, demonstrated major productivity benefits by supplementing early lactation diets with Mega-Max 2.0.

The research

Freshly-calved cows were offered a Control or Mega-Max 2.0-supplemented diet (1.8% of diet dry matter) from days 1-24 post-calving, before groups were split again for the peak period of production from days 25-67 of lactation.

Results: Fresh period (days 1-24 of lactation)

	Control (no fat supplement)	Mega-Max2.0 group
Dry matter intake (kg/day)	21.4	21.2
Milk yield (kg/day)	39.1	40.6
Milk fat (%)	4.62	4.94
Milk fat yield (kg/day)	1.80	1.96
Live weight (kg)	692	700
Body condition score	3.37	3.39

Results: Peak period (days 25-67 of lactation)

Diet offered	Control: days 1-67	Control : days 1-24 Mega-Max 2.0 : days 25-67	Mega-Max 2.0 : days 1-24 Control : days 25-67	Mega-Max 2.0 : days 1-67
Dry matter intake (kg/day)	27.7	28.2	28.4	28.3
Milk yield (kg/day)	50.4	52.4	52.6	55.5
Milk fat (%)	3.47	3.79	3.55	3.67
Milk fat yield (kg/day)	1.76	1.96	1.88	2.07
Live weight (kg)	677	672	675	680
Body condition score	3.26	3.12	3.22	3.13

Cows supplemented with Mega-Max 2.0 produced more milk at higher milk fat % at all feeding periods, increasing production by up to 5.1 kg/day compared to Control group cows. Importantly, this additional production was achieved while maintaining live weight and body condition.

THE CONCLUSION

To increase **milk yield and milk fat production** in early lactation without increasing loss of body weight, **Mega-Max 2.0** is the supplement of choice.



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Optimum balance

For further information:

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