



NUTRITION GUIDE

MEGA-ENERGY RESEARCH EVIDENCE

Many types of fat supplement are used in dairy diets and it is important to consider the response expected when supplementing with a particular fat type.

Mega-Energy is a rumen-protected fat supplement and its effect on performance of dairy cows was evaluated in a 6-week feeding trial at Schothorst Feed Research, the Netherlands.

The treatments

Control vs Mega-Energy

Control diet
(no added fat)



Control diet including
Mega-Energy at 375 g
per cow per day

The cows

- 20 Holstein-Friesian mid-lactation dairy cows offered diets for 6 weeks

The diets

- Mega-Energy incorporated into the concentrate component of the diet at 5% (approx. 375 g of Mega-Energy/day)



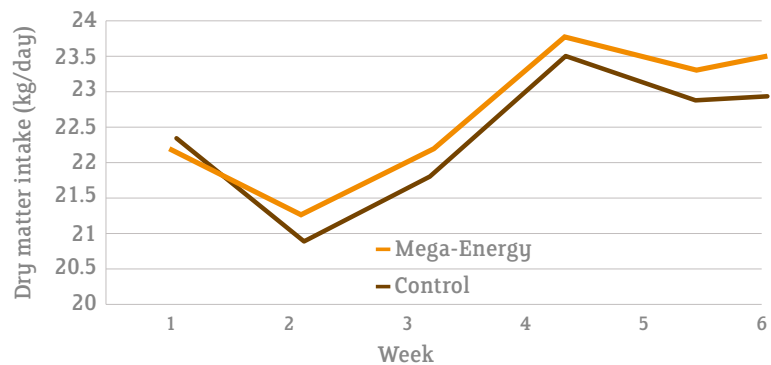
The results

	Control	Mega-Energy
DM intake (kg/day)	22.5	22.8
Milk yield (kg/day)	30.0	32.1
Milk fat (%)	4.39	4.41
Milk fat yield (kg/day)	1.31	1.41
Milk protein (%)	3.60	3.51
Milk protein yield (kg/day)	1.08	1.12
Feed efficiency (kg milk/kg DM intake)	1.33	1.41
Body condition score	2.6	2.6

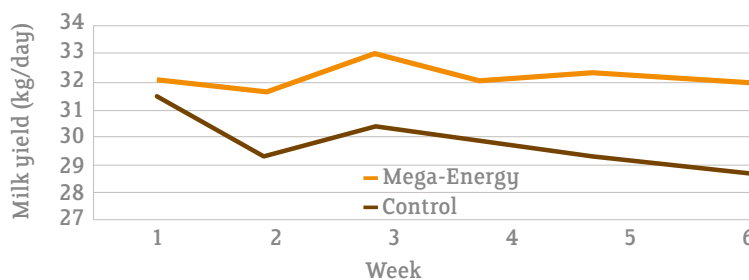
7% INCREASE
in milk production

Cows suffered a period of heat stress around week 2 – Mega-Energy cows maintained higher intake during this period

Dry matter intake



Milk yield



Mega-Energy cows produced more milk – even during heat stress around week 2

THE CONCLUSION

Supplementation of diets with Mega-Energy **improves milk production.**



MEGA-ENERGY

More milk and milk solids

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Experts in fat nutrition