

OMT Performance Enhancer



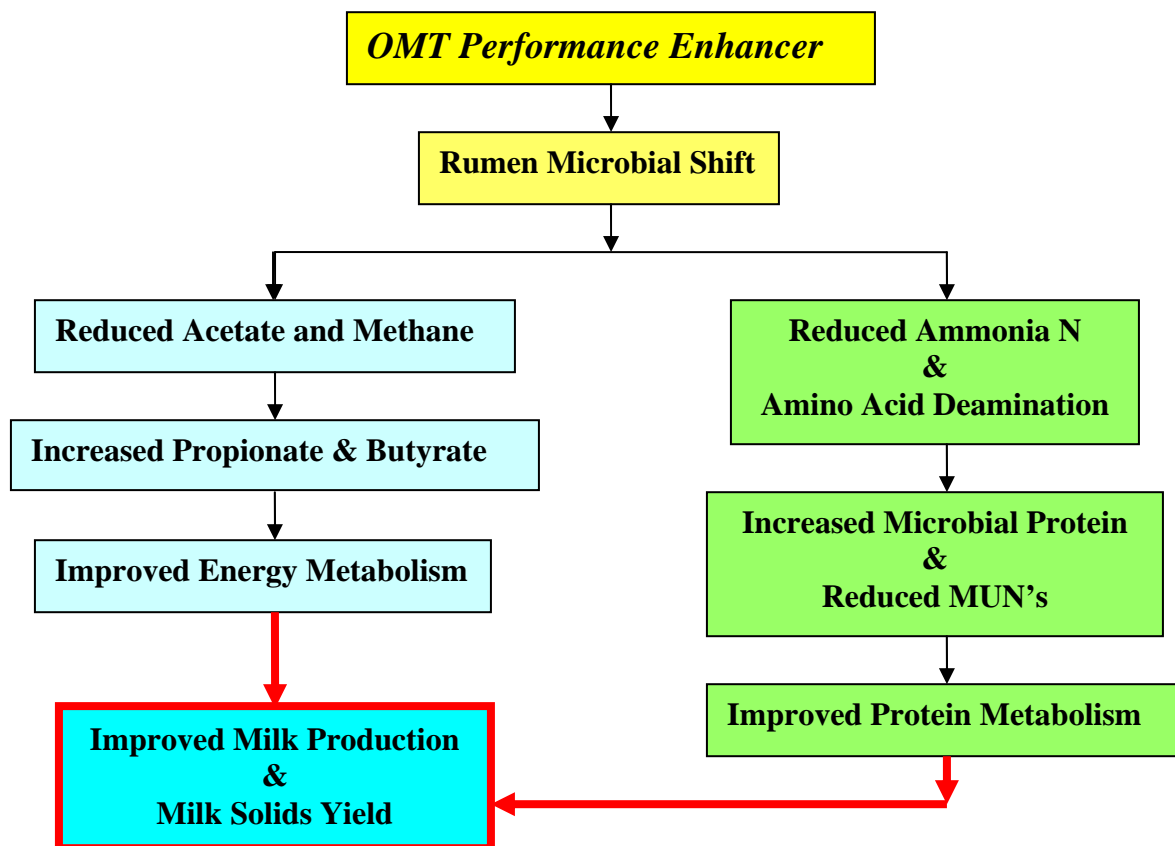
Plant Extracts Enhancing Rumen Function

The key ingredients in *OMT Performance Enhancer* are backed by national and international research in early and mid lactation cows.

The active ingredients (Eugenol and Cinnamaldehyde) used in *OMT Performance Enhancer* are scientifically selected compounds from aromatic plants and spices. These active ingredients are protected from volatilization in premixes and TMR's by a patented ISO-FUSION encapsulation process. The encapsulation process ensures the stability of the active ingredients as well as consistency of response.

Fourteen controlled trials were conducted and demonstrated a success rate of over 80%.

How does *OMT Performance Enhancer* Work?



In-vitro Fermentation Data

Effects of Eugenol and Cinnamaldehyde on the VFA and Amino acid-N content in a continuous culture system (Bushquet et al., 2002 & 2003).

Parameter	Control	Monensin	Eugenol	Cinnamaldehyde
Total VFAs, Mm	114	114	111	
Acetate	61a	61a	57b	
Propionate	23a	24b	28b	
Buterate	9.6	9.3	9.7	
C2:C3 ratio	2.6a	2.5ab	2.0b	
Amino Acid-N (mg/dl)	1.9a	2.0a		2.5b
Ammonia-N (mg/dl)	19.2a	17.7b		16.0b

a,b: P<0.05

In-vivo Production Data

The 14 controlled trials conducted, demonstrated a success rate of over 80%.

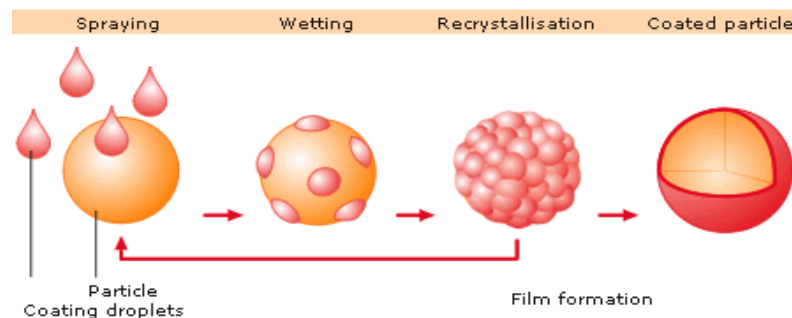
Controlled trials averaged :

- 3.3 lbs more FCM production.
- 5% increased milk production at peak.
- 7% increased milk fat and protein yield.
- 20% reduction in milk urea nitrogen.

How to Use OMT Performance Enhancer

OMT Performance Enhancer can be included into manufactured feeds, TMR's, premixes and the ISO-FUSION encapsulation process stabilizes the product through the pelleting process.

ISO-FUSION Process



Use Rate.

One pound of *OMT Performance Enhancer* provides an effective level of active ingredients on a daily basis for:

- 80 Lactating cows receiving Rumensin.
- 50 Lactating cows **not** receiving Rumensin.