

# PFMA Energy Plus

## Inert ruminant energy supplement

New generation of nutritional understanding and chemical engineering technology now allows the incorporation of positive, calculable intestinal digestible ENERGY into ruminant feeds.

**PFMA Energy Plus** is distilled from Palm oil; no chemicals are used in the process. Selected fatty acid fractions are removed and then re – combined into a separate free fatty acid chain; specifically formulated to provide the most beneficial energy source for ruminants.

**PFMA Energy Plus** contains –

Total fatty matter % - Minimum 99.5.

Melting point – from 54 to 60 degrees Celsius.

Energy: ME/MJ/kg 35 >.

No chemicals or other components – **PFMA Energy Plus is 100.0% pure.**

**Five factors affect the feeding value of fat supplements: Fatty acid content; Digestibility; Negative effects on rumen fermentation; Effect on dry matter intake (DMI); Cost per unit of energy available for production.**

Although all fat supplements can be beneficial to lactating cows, analysis of any of the five factors that determine the value of a fat supplement, reveals free fatty acids (FFA) are the fat supplement of choice for high producing dairy cows.

Free fatty acids contain the highest amount of total energy; are highly digestible; have minimal negative effects on rumen fermentation; they have no negative effect on DMI; and the highest NE (MJ/Kg as fed) of any of the fat supplements.

Ruminants have evolved to absorb free fatty acids from the intestine and have only very limited ability to absorb mono, di, and triglycerides fatty acids.

**Only free fatty acids, such as PFMA Energy Plus are fed in the form that cows have evolved to absorb and utilise**

**At the levels of milk production possible with today's genetics, maximising dietary energy intake is critical to obtain maximum peak milk production and prolong persistency of lactation.**

**Suggested inclusion rates into Dairy feeds.** Rations for dairy cows usually contain 3 – 4% fat dry matter basis (DMB). If a greater proportion of fat is to be included into dairy feeds - **PFMA Energy Plus** the intestinal absorbed FFA needs to be added.

**For high yielding dairy cattle:** mix into the feed from .75 gm/kg live weight/head per day, up to 1.33 gm/kg live weight/head per day for very high producing cows – subject to the time into the lactation and other prevailing conditions.

**PFMA Energy Plus** is highly recommended for use in calf feeds.

**Performance gains by supplementing free fatty acids to high producing dairy cows include the following –**

**Increased milk production – quality & quantity.**

**Reduced weight loss, increased weight gain and maintenance of optimum body condition.**

**Persistency in lactation is improved.**

**Improved reproductive performance.**

**Improved body condition and health status.**

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