

FRA®

Udder Health Dry

Improves udder health «

Improves milk quality «

Non antibiotic «

Promotes animal performance «

Reduce labor cost «

Improves profitability «

The Challenge

The objective of dairy farming is to supply high quality complete food (Barbano *et al.*, 2006), produced in a safe way (Van Schaik *et al.*, 2002).

In The Netherlands, between 2005 and 2010, the Dutch Udder Health Center implemented a good practice program that resulted in a reduction of the incidence rate of clinical mastitis from 33.5% to 28.1%. It is known that there is a strong relationship between the incidence of mastitis and somatic cell count.

Costs related to mastitis incidence vary from €61 to €97 per cow (Hogeveen *et al.*, 2011). Therefore there is a strong need for a natural, cost-effective and safe feed additive that promotes udder health and reduces somatic cell count in milk.

Application

FRA® Udder Health Dry allows the nutritionist and the veterinarian to have a solution to one of the most cost increasing factors of milk production.

FRA® UH nrp can be applied via premix in the concentrated feed or mixed in the TMR on farm.



Recommended usage

- » Advised dosage is 50 gram FRA® Udder Health Dry per cow per day from 2 weeks before calving until 4 weeks after calving.
- » Advised dosage is 25 gram FRA® Udder Health Dry per cow from 5 weeks after calving until the end of lactation period.
- » Applicable via topdressing or premix.
- » It is recommended to contact your local FRAmelco technical sales manager to determine farm specific dose level.

The Solution

FRAmelco have developed FRA® Udder Health Dry: a specific formula containing 1-monolaurin, zinc, and micro-ingredients. Feeding this product to dairy cows improves udder health and reduces somatic cell count in milk.

» 1-Monoglycerides

Extensive research shows that medium chain 1-monoglycerides possess antibacterial, antiviral, and animal performance improving properties. These 1-monoglycerides of medium chain fatty acids inhibit Gram-positive pathogenic bacteria. Additionally, 1-monoglycerides of medium chain fatty acids deactivate fat enveloped viruses. As a result of the unique mode of action, 1-monoglycerides are active in the entire gastrointestinal tract and blood stream. Pathogens do not develop resistance against 1-monoglycerides. It is suggested by literature that 1-monoglycerides may be used as an alternative for preventive use of antibiotics.

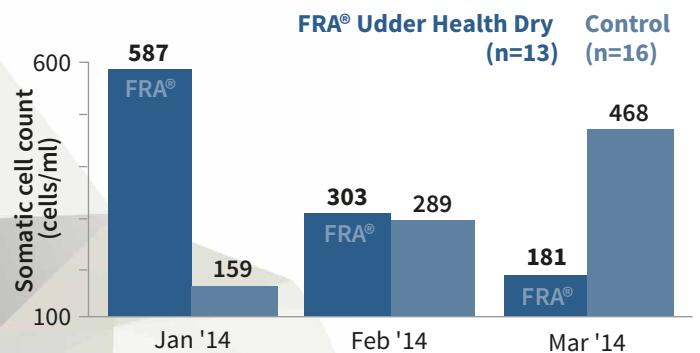
» FRA® Easy Zinc

Based on a unique coating process, FRAmelco developed FRA® Easy Zinc. This zinc source is heat stable, environmental friendly, and safe for both animals and humans. FRAmelco's unique coating process ensures a higher bio availability and efficient target release.

» Micro-ingredients

Adding a small amount of carefully selected micro-ingredients induces a synergetic effect.

Trial results



Results show that feeding 50 gram FRA® Udder Health Dry per cow per day results in a decrease of somatic cell count compared to the control group (Ireland, 2014). Furthermore, during the trial period no new cases of clinical mastitis were observed in the treatment group, whereas in the control group four cases were observed.

Product characteristics

- » Available in free flowing white small granules
- » Rumen stable
- » Neutral taste and odour
- » Heat stable up to 85°C
- » Non corrosive
- » Produced in GMP+ certified facilities
- » Available in 25 kg bag, 1000 kg big bag and bulk

Data of this flyer are based on our current knowledge and experience. FRAmelco is not responsible for carrying out their own tests and investigations. Certain statements are not applicable in all geographical regions. Product associated claims may differ based upon government requirements.



FRA® MELCO

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NON ANTIBIOTIC



FRA[®]

Ruminant
Line

IMPROVE MILK QUALITY

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