

# FRA<sup>®</sup> Udder Health dry

- Reduces mastitis incidence «
- Improves udder health «
- Non antibiotic «
- Improves milk quality «
- Reduce labor cost «
- Improves profitability «

## The Challenge

For dairy farmers it is important to manage udder health and milk quality as these parameters directly affect farm profitability.

One of the most common and most costly health disorders in dairy cows is mastitis. Mastitis is the consistent inflammatory reaction of the udder tissue. This potentially fatal mammary gland infection is often related to the somatic cell count (SCC) measured in the milk.

Milk from cows suffering from mastitis show an increased SCC. Reduction of SCC leads to fewer treatments on farm, reduced costs associated with milk lost to antibiotic withdrawal, and cows lost to premature culling. (Hogeveen et al., 2011)

FRA<sup>®</sup> Udder Health dry is heat stable, environmental friendly, and safe for both animals and humans. FRA<sup>®</sup> Udder Health dry allows farmers, nutritionists and veterinarians to have a solution to one of the most common disease syndromes in beef and dairy cows.

## The Solution

FRAMelco have developed FRA<sup>®</sup> Udder Health dry: a specific formula containing 1-monoglycerides of medium chain fatty acids, zinc, and micro-ingredients. All of these ingredients are coated in a fat matrix. Feeding this product to dairy cows improves udder health, may reduce mastitis incidence and lowers somatic cell count in milk.

### » 1-Monoglycerides of medium chain fatty acids

Extensive research shows that medium chain 1-monoglycerides possess antibacterial and animal performance improving properties. These 1-monoglycerides of medium chain fatty acids inhibit Gram-positive pathogenic bacteria. 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.

### » FRA<sup>®</sup> Easy Zinc

FRAMelco developed a nano-coated zinc oxide: FRA<sup>®</sup> Easy Zinc. Zinc is known as an essential trace element that promotes the formation of keratin, which in turn promotes macro phage functioning and keratin plug formation.

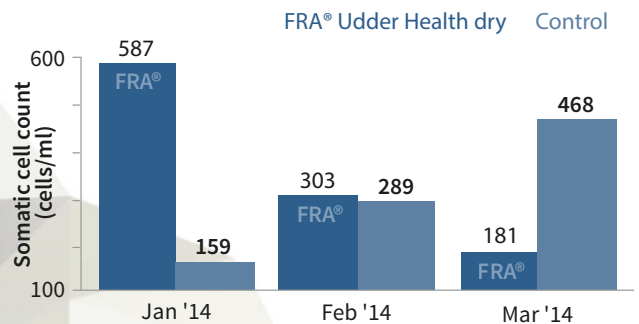
### » Micro-ingredients

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

### » Medium chain fatty acids

MCFA's are used as a fat coating and are beneficial in the intestines.

## Trial results



Results show that feeding 50 gram FRA<sup>®</sup> Udder Health dry per cow per day results in a decrease of SCC 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. 22 cows were tested.

## Product characteristics

- » Available in free flowing small granules
- » Target release
- » 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

## Recommended usage

- » Applicable via premix in concentrated feed, top dressed or in TMR on farm.
- » Advised dosage is 50 gram FRA<sup>®</sup> Udder Health dry per cow per day from 3 weeks before calving until 6 weeks after calving and 25 gram FRA<sup>®</sup> Udder Health dry per cow per day during remaining period.
- » It is recommended to contact your local FRAMelco technical sales manager to determine farm specific dose level.

Data of this flyer are based on our current knowledge and experience. The results of the trial are not applicable in all geographical regions. Product associated claims may differ based upon government requirements. © 2014 FRAMelco



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IMPROVE MILK QUALITY

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**FRA<sup>®</sup>MELCO**