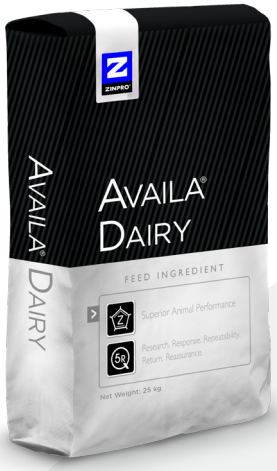
ZINPRO®

ADVANCING PERFORMANCE TOGETHER

Superior Minerals, Superior Results.

Full Stop.



The genetic potential of dairy cows has improved significantly in recent years and performance expectations have therefore become even higher.

In the past 30 years there has been an increase of around 60% in milk yield per cow. To sustain this higher performance and optimize herd efficiency while ensuring the health and wellbeing of the cow, nutrition and management need to be exceptional and that includes superior trace mineral nutrition.

Optimized levels of important trace minerals are key to obtaining the best performance. Availa®Dairy brings together the latest research into new feeding recommendations using a unique combination of Availa®Zn, Availa®Mn and Availa®Cu.

Roger Barkley introduced Availa Dairy to lactating and dry cow rations for his 390-cow herd after a re-evaluation of its mineral programme.

"Since the change I have seen somatic cell counts reduce by half and an increase in saleable milk. There has also been a marked reduction in the incidence of digital dermatitis and claw lesions. For years we focused on cost but now we are realising value from our revised trace mineral programme.

French dairy farmer, Kévin Remy, has been using Availa Dairy for more than 2 years in his heifers, dry and lactating cows.

"With Availa Dairy, we have drastically reduced the incidence of digital dermatitis in heifers and improved reproduction results, with 75-80% success in embryo placements. The mineral supplementation and formulation of the ration for dry cows has also been reviewed and since then, the cows calve on their own, with vigorous calves and colostrum quality between 24 and 32% Brix.

Proven Performance

Availa Dairy gives superior results through:

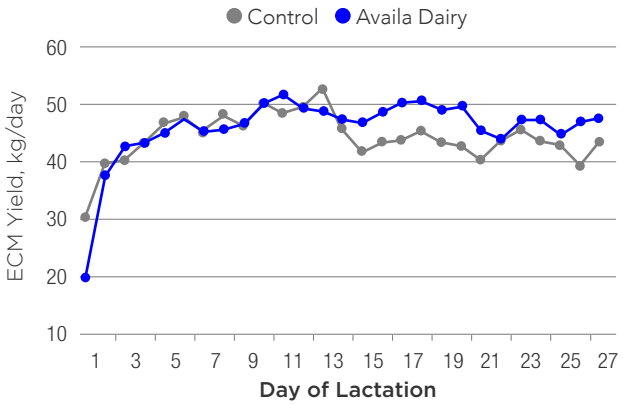
Increased milk production	+4% milk yield[1,2]
Greater feed efficiency	+9% litres milk/kg feed DM[2]
Improved udder health	-15% somatic cell counts[3]
Better reproductive performance	-13 days open; +5.5% points pregnancy rate[4]
Higher colostrum quality and immunity	+28% IgG in colostrum[5]
Improved hoof health	-35% lameness[6]

These improvements, together with a smoother transition through fewer issues, help to optimize overall herd performance and contribute to a more sustainable milk supply chain.

Better Milk Yield

Supplementing with Availa Dairy increases milk yield[1,2]

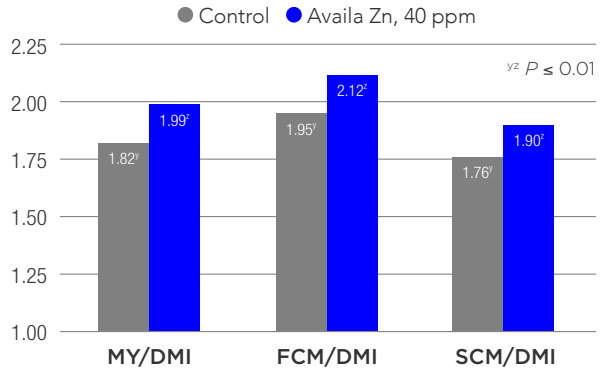
4% Milk Yield



Improved Feed Efficiency

Higher levels of Availa Zn increase feed efficiency[1,2]

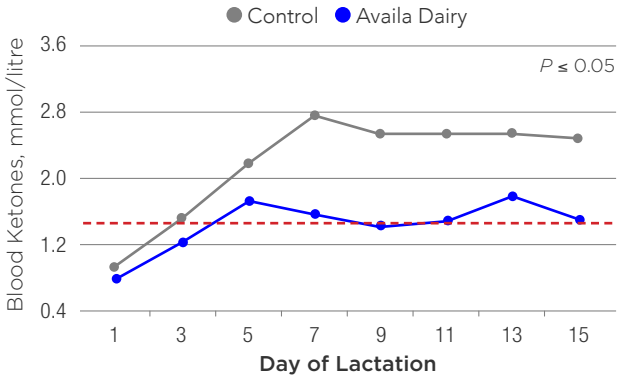
9% Feed Efficiency



Smoother Transition

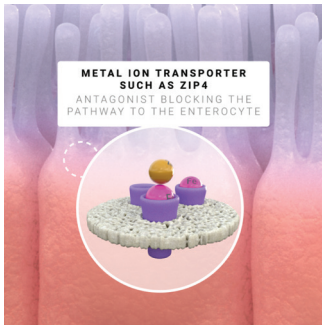
Supplementing with Availa Dairy reduces blood ketones[1]

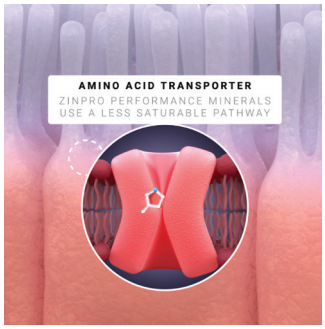
34% Blood Ketones



Unique, 'Amino Acid Pathway' Minerals

Cows need trace minerals which remain active in the gut and can be absorbed more effectively, meaning they are able to participate in metabolic functions and help cows perform to their potential. A large proportion of inorganic minerals in the diet, and some low-quality organic trace minerals, get inactivated in the gut, are not absorbed to make them available to the animal and are just excreted.





It is therefore essential to ensure minerals are highly metabolically available to the animal. Specifically, they should be stable at low stomach pH and not affected by antagonists, soluble and easily absorbed. Zinpro Performance Minerals®, where the metal is structurally bonded to certain amino acids, have these superior characteristics. They are uniquely and more efficiently absorbed through 'amino acid transporters' in the gut. Once in circulation they are metabolized differently from other metal sources allowing the cow to utilize the trace minerals more effectively.

Soluble Stable Absorbable Metabolically Available

Optimized Inclusion Rates

Availa Dairy contains a specific combination of amino acid-complexed zinc, manganese and copper for herds seeking superior performance. When fed at the recommended 0.06% of dry matter intake (DMI), Availa Dairy provides*:

40 mg Zn/kg DMI from Availa Zn

20 mg Mn/kg DMI from Availa Mn

3.5 mg Cu/kg DMI from Availa Cu

Superior Minerals, Superior Results. **Full Stop.**

Availa Dairy offers improved production, better cow wellbeing and an excellent return on investment of at least 10:1. It represents the outcome of significant peer-reviewed research and on-farm trials and is the new standard in dairy trace mineral nutrition.

High-performing dairy cows need superior trace mineral nutrition to achieve their genetic potential. Availa Dairy offers superior results. **That's a fact.**

*It is recommended that a source of cobalt should also be included in the ration at up to 1 mg/kg dry matter intake.

[1] Osorio *et al.*, 2016. J. Dairy Sci. 99: 1868-1883. [2] Nayeri *et al.*, 2014. J. Dairy Sci. 97: 4392-4404. [3] Average of 11 published trials: References available. [4] Average of multiple trials (Days open, n=16; 21-day pregnancy rate, n=12): References available. [5] Average of four trials: Nayeri *et al.*, 2014. J. Dairy Sci. 97: 4392-4404; Kincaid and Socha, 2004. Prof. Anim. Sci. 20: 65-73; Kinal *et al.*, 2005. J. Food Ag. and Environ. 3: 168-172; Data on file. [6] Nocek *et al.*, 2000. J. Dairy Sci. 83: 1553-1572.

ZINPRO®

Find out more at
zinpro.com/availa-dairy

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