



ZINPRO®
ADVANCING
PERFORMANCE
TOGETHER

Availa® Plus Provides Breakthrough in

Hoof Management

of Dairy and Beef Cattle



Improving Hoof Health **Increases Profitability**

Availa® Plus is the only combination complexed trace mineral product that, when fed in conjunction with a specially formulated trace mineral premix, is research proven to offer an innovative and profitable way to decrease digital dermatitis in beef and dairy cattle, improving productivity and operational efficiency.

Digital Dermatitis Robs Dairy and Beef Productivity

Digital dermatitis – often referred to as hairy heel warts – is a silent thief. In the dairy industry, most producers are aware of the problem and typically practice control methods. In the beef industry, the prevalence and implications of this troubling issue are just beginning to be understood. In both industries, however, the scope of its effects on animal health and profitability are not fully realized.



- Digital dermatitis has been reported on 70 percent of all dairies in the U.S., with 95 percent of large operations (500+ cows) reporting having cattle afflicted with digital dermatitis.^a
- Digital dermatitis, which often leads to lameness, affects nearly 28 percent of all dairy cattle in confined herds.^b
- In the dairy industry, lameness significantly decreases milk production and fertility.
- In the beef industry, lameness can account for 70 percent of all sales of non-performing cattle, and the price received for lame animals is only 53 percent of the original purchase price.^c
- The size and scope of digital dermatitis within the beef industry is yet to be determined and is a growing concern.

Digital dermatitis begins when skin integrity is compromised. When an animal's skin is constantly exposed to a moist, low oxygen environment that contains the bacteria that causes digital dermatitis, cattle can develop digital dermatitis within days. If left untreated, these digital dermatitis lesions can lead to severe and debilitating lameness.

From a visual standpoint, the most common symptom is a hairy wart on the skin above the animal's hoof or between the toes (see pictures).

^a Reference of Dairy Cattle Health and Management Practices in the United States, USDA/National Animal Health Monitoring System report, February 2009.

^b DeFrain, J.M. *et al.*, 2011. Proc. of 16th Symposium and 8th Conference on Lameness in Ruminants. Rotorua, New Zealand.

^c "Lameness in Beef Cattle." The Beef Site, Sept. 17, 2011.

COMMON RISK FACTORS FOR INFECTION

- Introducing cattle from an infected herd
- Wet or muddy conditions
- Stress/immunity challenges
- Inadequate footbath programs
- Ineffective claw-maintenance programs
- Foot insult/injury
- Chemical or physical skin trauma
- Inadequate intake of micronutrients



Another Innovation From Zinpro

Availa® Plus, from Zinpro Corporation, has been developed specifically for use in dairy and beef cattle. It represents not only a new trace mineral product but an entirely new approach to foot health management.

Until now, the alternatives have been external treatments, such as footbaths or antibiotics. Although they can be effective, properly administering footbaths is costly, cumbersome and time-consuming. Proper use of antibiotics provide equal management concerns.

By contrast, Availa Plus, when fed in conjunction with a specially formulated trace mineral premix, helps provide protection against digital dermatitis. Simply put, research has shown that this carefully formulated trace mineral program works internally to enhance the animal's ability to resist the disease. In addition, the Performance Minerals® found in Availa Plus have been shown to improve claw/hoof integrity, reproduction/fertility rates, milk quality, average daily gain (ADG), feed efficiency/conversion, as well as decrease mortality and reduce veterinary costs.



DAIRY



BEEF

Measuring the Benefits of Availa Plus

Proper nutrition, including a diet containing the trace minerals found in Zinpro Performance Minerals®, has been shown to improve animal productivity, welfare and overall health resulting in greater profitability.

For non-lactating cattle, when fed in conjunction with a specially formulated premix:

- The complexed trace minerals found in Availa Plus have been shown to proactively decrease infectious diseases, such as digital dermatitis, and the treatments that are a result of the disease.
- Research shows that feeding Availa Plus is a highly effective alternative to treating an infectious foot disease with reactive approaches, such as footbaths and antibiotics.
- Because of their role in decreasing digital dermatitis, research has shown that the complexed trace minerals found in Availa Plus can significantly decrease footbath use.



RECOMMENDED AVAILA PLUS FEEDING RATES

Non-lactating cattle

Body Weight		Availa Plus g/hd/d
lb	kg	
100	45	1.0
300	136	3.1
500	227	5.1
700	318	7.2
900	408	9.2
1100	499	11.3
1300	590	13.3
1500	680	15.4

Lactating cattle

Dry Matter Intake		Availa Plus g/hd/d
lb/hd/d	kg/hd/d	
25	11.3	11.3
30	13.6	13.6
35	15.9	15.9
40	18.1	18.1
45	20.4	20.4
50	22.7	22.7
55	24.9	24.9
60	27.2	27.2

As with any nutritional input, it is critical that proper feeding recommendations are followed with Availa Plus.

RETHINK HOOF HEALTH MANAGEMENT

Producers have treated foot health the same way for years with varying degrees of success. Making a change to common hoof health practices and incorporating Availa Plus will:



↑ Claw integrity, reproduction/
fertility rates, feed efficiency,
milk yield and milk quality

↓ Veterinary bills and costs
associated with footbaths
and foot trimming



↑ Hoof integrity, average
daily gain, feed conversion,
live and carcass weight

↓ Mortality and
veterinary costs



For more information:
contact your Zinpro
representative or visit
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