



# Zinpro® Availa® Dairy

## Predictable Pays Off

Zinpro® Corporation is committed to developing superior complexed trace mineral products for the dairy industry. Zinpro Availa Dairy is a nutritional feed ingredient for herds seeking additional performance, that contains a specific combination of complexed zinc, manganese, copper and cobalt. When fed as part of a well-balanced diet, these trace minerals can help improve skin and hoof integrity, feed efficiency, fertility and reduce somatic cell count. The Zinpro Availa Dairy product formulation features increased levels of zinc, manganese and cobalt and a lower level of copper.

### ZINPRO AVAILA DAIRY FEEDING RECOMMENDATIONS

#### Feeding Rate: 0.06% of Diet Dry Matter

When fed  
as directed,  
Zinpro Availa  
Dairy supplies:

40 ppm Zinc

20 ppm Manganese

3.5 ppm Copper

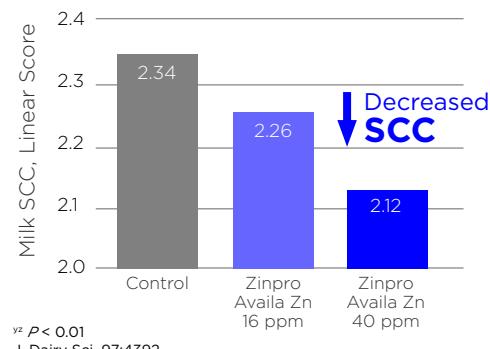
1 ppm Cobalt

Dry Matter Intake		Zinpro Availa Dairy g/hd/day
lb	kg	
25	11.3	6.8
30	13.6	8.2
35	15.9	9.5
40	18.1	10.9
45	20.4	12.2
50	22.7	13.6
55	24.9	15.0
60	27.2	16.3
65	29.5	17.7

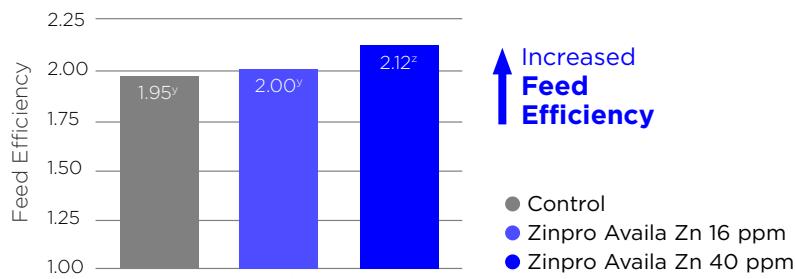
## Increased Levels of Zinc

Zinc is a critical trace mineral that plays essential roles in optimizing health and performance of dairy cattle. University research has shown that replacing zinc sulfate with 40 ppm Zn from Zinpro® Availa® Zn decreased SCC and improved feed efficiency.

### Effect of Supplemental Zinpro Availa Zn on Milk Somatic Cell Count



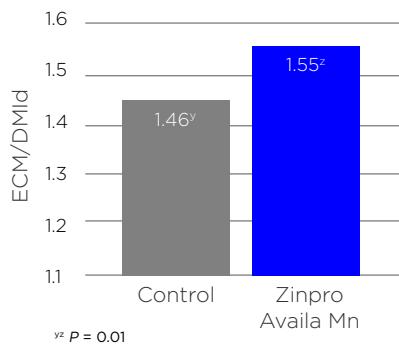
### Effect of Supplemental Zinpro Availa Zn on Feed Efficiency



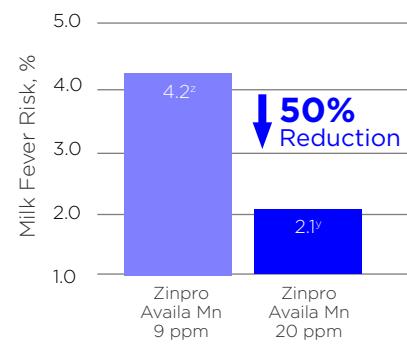
## Increased Levels of Manganese

Manganese improves reproduction, feed efficiency and transition cow health in dairy cattle, which lowers herd replacement costs. Research demonstrates that feeding 20 ppm Mn from Zinpro® Availa® Mn improves dairy cow feed efficiency (less dry matter intake and more milk). Furthermore, feeding 20 ppm vs 9 ppm Mn from Zinpro Availa Mn improves transition cow health via reducing milk fever risk and death loss.

### Added Mn From Zinpro Availa Mn Improved Feed Efficiency In Lactating Dairy Cows



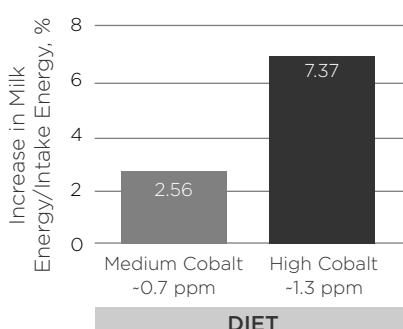
### Increasing Added Mn From Zinpro Availa Mn Decreased Milk Fever Risk



## Increased Levels of Cobalt

Cobalt is an essential trace element that is required for vitamin B<sub>12</sub> synthesis and fiber digestion in ruminants. Through research, it has been found that feeding dairy cattle higher levels of supplemental cobalt can improve feed efficiency and increase overall milk production.

### Effect of Cobalt on Feed Efficiency: 2 Studies



For more information:  
contact your Zinpro  
representative or visit  
[zinpro.com/dairy](http://zinpro.com/dairy)

## Optimum Levels of Copper

Zinpro Availa Dairy has been formulated to provide optimal copper levels, especially during periods of high stress.

### Effect on Copper Metabolism in Calves

