

## Minerals with a Payback

### THE PAY BACK

AMPT Mineral products offer more than just mineral in a bag. Its value goes to your bottom line!

You don't feed minerals and expect nothing in return. You expect better gains, body condition, and reproductive efficiency (conception rates). And, that's not all, you want healthy cattle. You also want cattle to efficiently utilize forages. The production returns for adequate and effective mineral supplementation far outweigh the cost.

For instance,

- 3% more calves weaned pays for more than 50% of your mineral investment
- 15 extra pounds weaned per head pays for over 67% of your mineral investment
- An average increase of 0.1 lb ADG on stocker cattle will overcome 36% of your mineral investment

While cost will always be an important factor dictating mineral supplement selection, the "cheapest" product doesn't mean it will provide the greatest economical return.

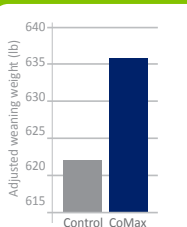
AMPT™ Minerals precisely target optimum nutrient levels, complementing the diet, to deliver the best performance—nothing more, nothing less. AMPT's distinctive mineral sources were selected based on achieving precision, balance and the ability to deliver the best mineral nutrition in a 4 oz per head per day consumption rate.

### HERE'S WHAT YOU'LL SEE WITH AMPT

#### Cattlemen Verified Intakes

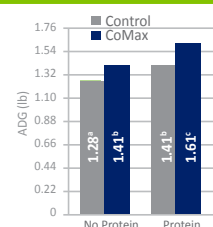
States	Operations	Head	Average Intake
32 & Counting	143 & Counting	21,250 & Counting	4.2 oz

#### Calves with Cows Fed CoMax have Higher Weaning Weights



Cows fed CoMax averaged heavier calves than cows supplemented with control mineral. Ralco research study R09-02

#### Effect of CoMax on performance of grazing yearlings<sup>1</sup>



Oklahoma State University (2005)

<sup>1</sup>A patented source of cobalt provides rumen microbes with the cobalt needed for efficient fiber digestion leading to enhanced performance.

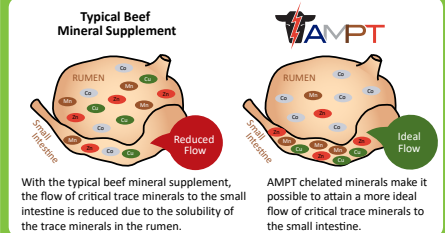
### IMPACTS ON REPRODUCTION AND GROWTH:

#### Kansas State Study Using Proprietary Form of Cobalt (CoMax)

Parameter	Control	Proprietary Form of Cobalt
Overall Body Condition Score Change (BCS Units)	0.07	0.37
Overall Pregnancy, %	89.5	92.7
Adjusted Weaning Weight, lb	622	636

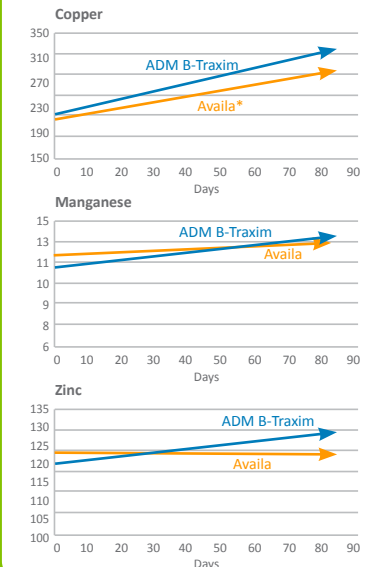
Ralco Nutrition, Inc.

### Scenario of Trace Mineral Flow into the Ruminant's Small Intestine




















### Liver Concentrations (ug) - Trial B19102

Provides 100% chelated copper, manganese and zinc that 1) bypass the rumen and 2) are more readily absorbed by the small intestine. Chelated trace minerals have been shown to enhance immune function, reproductive efficiency and benefit overall performance.



\*Not a trademark of ADM

## What's Your Choice?

				
Application	AMPT-A	AMPT-M	AMPT-P	AMPT-T
Stocker/yearling				
Brood cows on high-quality forage				
High potassium forage (poses grass tetany threat)				
Brood cows 30 days pre-calving and post-calving				
Physiological stress				
Year-round with average-quality forage	#54271 			
Breeder development				#54177 
Fescue forage (endophyte infected)	#54271 			#54177 
Co-Product Diet (meal AMPT product)	#54258			#54260
Co-Product Diet (pellet AMPT product)	#54267			
Low salt				#54178
Forage type dictates need for low P mineral	#54200			
Horn fly prevention	#5429PBJ			#54177PBJ
\$/head/day	\$	\$\$	\$\$\$	\$\$\$

\*Part of the vitamin E used in AMPT-P and AMPT-T is Nova-E™, an ADM natural-source vitamin E product.

†Feeding rates vary for AMPT Co-Product Balancer products; refer to product tags.



Primary  
Choice



Secondary  
Choice

### AMPT CHARGED CHOICES



**AMPT-A** This is the basic entry level AMPT product and is the AMPT mineral of choice when cattle are grazing green pastures where a substantial portion of the phosphorus requirements are met.



**AMPT-M** This option is charged with a higher level of magnesium for protection against grass tetany or other situations that require additional magnesium.



**AMPT-P** When managing cattle to take performance to the next level, AMPT-P is there to supply extra fortification along with the inclusion of several other production benefiting nutrients like boosted phosphorus content, CitriStim, natural-source vitamin E\*, and selenium yeast. It is an ideal mineral product to use before/after calving up to the breeding season or during any stressful situation.



**AMPT-T** This solid, versatile product is the AMPT product of choice when a producer only wants to use one mineral year-round. AMPT-T is the preferred product optimizing economics and performance for a majority of the grazing season. Additional nutrient fortification includes natural-source vitamin E\* and a botanical extract to help cattle cope with stress and to support rumen function.

### DON'T JUST TAKE OUR WORD!

"It isn't just about genetics, it's about nutrition. We were running into fescue issues - cows not shedding, cows not breeding back as they should - so we tried the AMPT mineral with Endofighter, and saw a real improvement. It helped us increase fertility, it reduced our opens by 5%, and helps them shed - in the summertime they are black and shiny. ADM helped us solve a problem."

— Dave Nichols and Ross Havens  
Nichols Farms, Bridgewater, IA

### ADDITIONAL OPTIONS AVAILABLE:

**Co-Product Balancer (CPB)†** – Formulated for use when feeding coproducts

**Low salt (4.5%)** – Less salt than conventional mineral with no selenium

**CitriStim®** – Promote health in the face of challenges

**EF (Endo-Fighter®)/Breeder** – Provides a beneficial solution to help cattle cope with the damaging effects of fescue toxicosis

**Cool-Aid** – Nutritional support during hot, summer conditions for more comfortable, efficient cattle

**Fly Control options**

**Medicated**