



PROPATH[®]

Nutrition Where it Matters Most

Targeted mineral technology built to maximize nutrient density, formulation flexibility and performance potential from every formula.



Zinpro® ProPath®

Targeted Nutrition. Greater Possibilities.

Zinpro ProPath helps nutritionists and formulators maximize the value of every formula. By combining concentrated mineral nutrition, targeted amino acid technology and efficient mineral utilization, Zinpro ProPath helps animals get more from every feeding while supporting formulation flexibility and nutrient efficiency. And it's all backed by decades of Zinpro® research and field-proven results.

Exceptional Versatility for Use Across Species

From Livestock to Aquaculture to Pet



PROPATH[®]
Zn

- Beef Cattle
- Canine
- Dairy Cattle
- Feline
- Freshwater Fish
- Goats
- Horses
- Marine Fish
- Poultry
- Sheep
- Shrimp
- Swine



PROPATH[®]
Mn

- Beef Cattle
- Canine
- Dairy Cattle
- Feline
- Freshwater Fish
- Goats
- Horses
- Marine Fish
- Poultry
- Sheep
- Shrimp
- Swine



PROPATH[®]
Cu

- Beef Cattle
- Canine
- Dairy Cattle
- Feline
- Freshwater Fish
- Goats
- Horses
- Marine Fish
- Poultry
- Shrimp
- Swine



PROPATH[®]
Fe

- Beef Cattle
- Calves
- Canine
- Dairy Cattle
- Feline
- Freshwater Fish
- Horses
- Marine Fish
- Poultry
- Shrimp
- Swine



PROPATH[®]
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- Beef Cattle
- Dairy Cattle
- Goats
- Horses

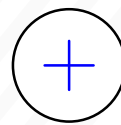
Built for Exceptional Performance

Designed to deliver concentrated nutrition, formulation flexibility and efficient mineral utilization when every nutrient has to count.



More Nutrition. Less Waste.

Unique carrier-free, high-concentration formula packs more active mineral into every gram, reducing competition for space in the premix, enabling formulation flexibility and a more efficient operation.



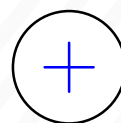
Made for What Matters Most.

A dual-amino acid design pairs trace minerals with lysine and glutamate for a highly stable, soluble complex that survives the harsh acidic environment of the stomach, arriving intact where absorption begins.



Designed for Maximum Utilization.

An advanced amino acid transport system helps more trace minerals remain available to the animal where they can be retained and utilized. More mineral reaches the tissues and cells that need it, with less loss through excretion and greater opportunity to support performance.



Proven Where It Counts.

Built upon more than 55 years of Zinpro research and supported by years of scientific and field validation.

Make the Most of Every Feeding

Versatility

Highly adaptable and flexible for even the most specialized diets, including dry feed or liquid applications, for a variety of feed or supplement applications across species.

Sustainability

Ensures maximum utilization and minimal waste for a highly sustainable choice, benefiting both your operation and the environment.

Highly Concentrated

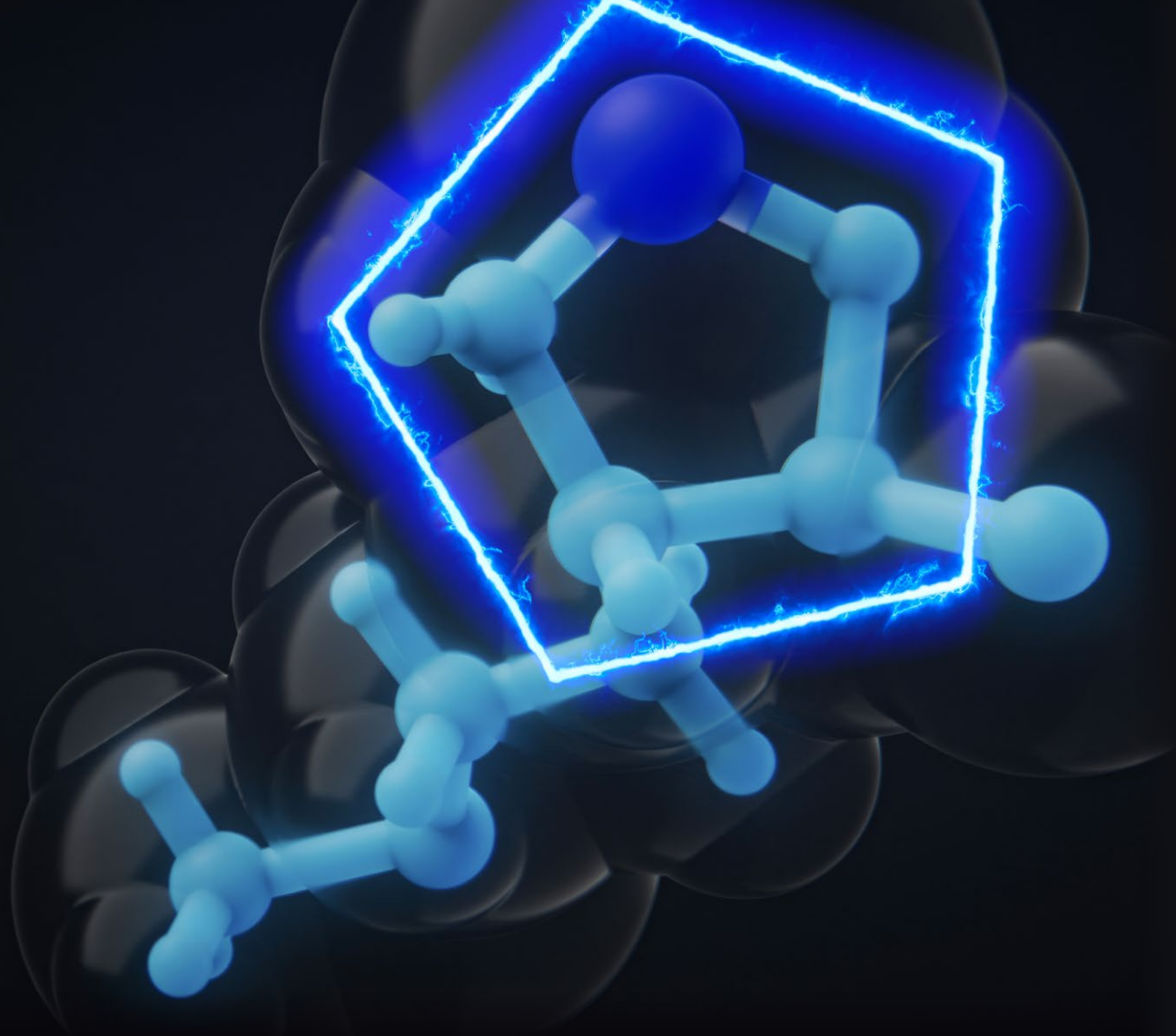
Patented molecular technology with no carrier provides maximum mineral content and diet density, which allows for more space in the formulation and premix. Offers operational efficiencies like reduced freight and warehouse needs.



Trace Minerals Help Power the Biological Systems Behind the Outcomes Animal Caretakers Value Most

But they can only make a difference when they reach the tissues and cells where health and performance begin.

BENEFITS	TRACE MINERALS	BENEFIT DESCRIPTION
IMMUNE RESPONSE	Copper, Manganese, Zinc and Iron	• Humoral immunity; antibody titers in response to vaccination • Cell-mediated immunity • Non-specific immunity • Antioxidant activity to remove free radicals and protect cell membranes
JOINT & SKELETON	Manganese	• Chondroitin sulfate synthesis, key to formulation, maintenance and repair of joint cartilage • Bone matrix development and maintenance
	Zinc	• Cell division and protein synthesis for skeletal growth and repair
HOOF, CLAW & NAIL INTEGRITY	Zinc, Manganese and Copper	• Tissue keratinization for hoof, claw and nail integrity
PAW PAD CONDITION	Manganese	• Antioxidant activity to protect cell membranes
	Zinc and Copper	• Cell division to support paw pad growth and repair • Paw pad protein synthesis; collagen, keratins, cell envelope proteins and intercellular cementing substance
REPRODUCTION	Iron and Copper	• Reproductive hormone synthesis: steroidogenesis • Helps avoid nutritional anemia
	Manganese	• Male reproductive function • Fetal skeletal development
	Zinc	• Reproductive tract tissue integrity • Conception rates • Sperm maturation and quality
SKIN & COAT	Manganese, Iron and Zinc	• Epidermal (skin) cell maintenance through cell division, protein synthesis and antioxidant activity to remove superoxide radicals • Facilitates wound healing • Helps avoid or reduce nutritional anemia • Development of a longer, fuller coat
ENERGY	Zinc, Manganese, Copper and Iron	• Supports energy levels needed for daily vitality • Supports overall wellbeing by helping reduce the impact of health challenges



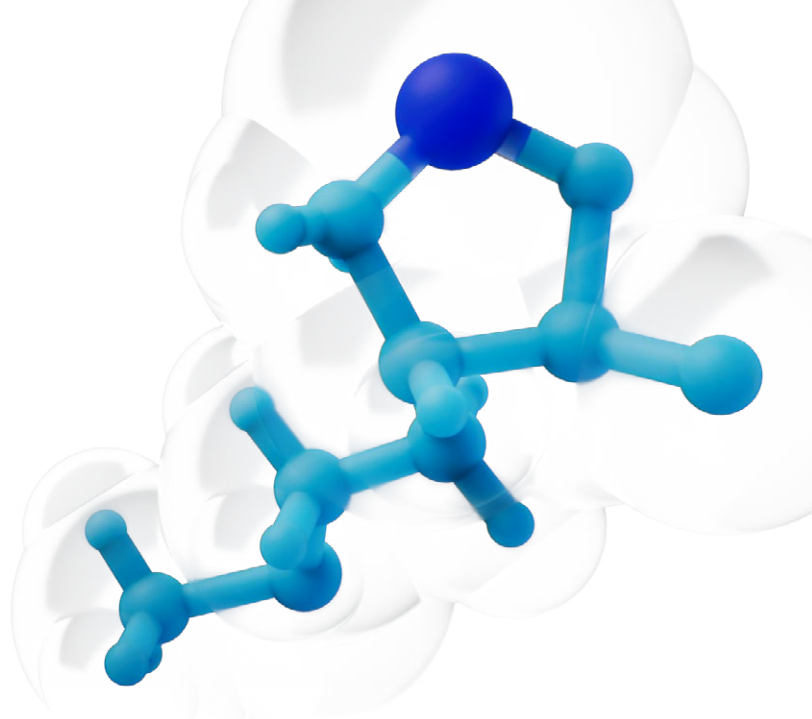
What Makes a Mineral Perform?

Trace minerals must be present in every animal's diet. But presence doesn't equal performance and not every mineral is able to support consistent performance responses.

For more than 55 years, Zinpro has studied how minerals move through the animal and what creates measurable value beyond the feed tag. That research has helped uncover a deeper understanding of why **Zinpro® Performance Minerals® consistently deliver results across species and production systems.**



PROPATH®



The Next Evolution in Measuring Mineral Value

Not all trace minerals move through the body the same way. Zinpro Performance Minerals are uniquely engineered to move beyond traditional absorption and into a pathway that changes everything:

- Engineered for stability with amino acid bonds in a five-membered ring
- Uses the body's natural amino acid transport system
- Remains intact from digestion to circulation
- Delivers greater mineral retention and utilization



Results You See

Animals keep more of the minerals you feed, unlocking measurable health, performance and profitability benefits.



Watch the Full Science Story

Scan to see the video.

Other Minerals Only Reach the Bloodstream **Zinpro Minerals Go Further**

Absorption is only the first step.

True value begins after absorption, when minerals remain available in the body to power the biological systems that drive health and performance.

A recent 12-study meta-analysis proved that the superior results you see with Zinpro Performance Minerals come from unmatched mineral retention - **55% more than any other source¹** - making them the most effective performance minerals on the market.

Greater retention means less mineral loss through feces and urine, reducing waste and improving nutrient efficiency.

More minerals remain in the body for immune health, performance and overall resilience.

¹ M20265001 | Source: Zinpro Corporation internal meta-analysis.



Zinpro Performance Minerals are backed by more than 400 peer-reviewed studies, the largest body of organic trace mineral research in the world.

That's the **Zinpro Effect**



Zinpro® ProPath®

Designed for Dry Feed Applications



Zinpro® ProPath® Zn*
Zinc amino acid complex



Zinpro® ProPath® Mn*
Manganese amino acid complex



Zinpro® ProPath® Cu*
Copper amino acid complex



Zinpro® ProPath® Fe*
Iron amino acid complex



Zinpro® ProPath® 4
Proprietary blend of zinc, manganese and copper amino acid complexes and cobalt glucoheptonate

Zinpro® ProPath® LQ

Designed for Liquid Feed Applications



Zinpro® ProPath® LQ Zn*

Zinc amino acid complex



Zinpro® ProPath® LQ Mn*

Manganese amino acid complex



Zinpro® ProPath® LQ Cu*

Copper amino acid complex



Zinpro® ProPath® LQ Fe*

Iron amino acid complex



Zinpro® ProPath® LQ 4

Proprietary blend of zinc, manganese, and copper amino acid complexes and cobalt glucoheptonate



*Zinpro ProPath products indicated are listed by the Organic Materials Review Institute (OMRI) for certified organic animal production in the United States.



Give Them the Best and They'll Give You Theirs

Every animal has greater potential.

Unlocking it takes more than nutrition alone. It takes a deeper understanding of how nutrients are absorbed, retained and utilized within the animal.

For more than 55 years, Zinpro has advanced the science behind animal performance, helping customers achieve stronger results through better nutrition.

Zinpro ProPath puts that science to work through a more targeted approach to mineral nutrition. Designed to help deliver more value from every nutrient, Zinpro ProPath gives you the confidence to meet today's challenges and the flexibility to pursue tomorrow's opportunities.

Because when science and nutrition work together, potential becomes performance.

Bring Out Their Best.



Unlock more potential with Zinpro ProPath.
Contact your Zinpro representative or visit
zinpro.com/propath

