

Zinc Methionine Organic Trace Mineral for Broilers, Layers and Turkeys

Zinmet® helps fill essential nutrient gaps to meet performance and profitability goals.

Zinmet® is an animal nutrition product in which zinc and single essential amino acid, methionine, are chemically bonded to form an organic trace mineral called a zinc methionine complex. This complex results in a highly bioavailable source of both zinc and methionine that is more effectively absorbed by the animal, with less mineral secreted into the environment.

Proven Utilization for Predictable Results

Chemical bonding zinc and methionine in a complex results in greater absorption and utilization of both nutrients in the body.

In a summary of trial data conducted at university and private research facilities, Zinmet®:



- Increased breast meat yield
- Increased egg weight

In an immune challenge trial at the University of Auburn, with re-used litter and introduction of *C. perfringens* on broilers, Zinmet® resulted in:

- Increased body weight gain
- Improved feed conversion
- Reduced mortality
- Higher breast meat yield

More Benefits of Zinmet®

- Enhanced immune system that results in improved paw pads and skin lesions
- Increased cellular immune response in offspring
- A source of dl-methionine easily adaptable to different feeding regimes
- Increased profits
- Added benefits of Liquid Zinmet®:
 - Less expensive than comparable dry products
 - Better dispersed in the ration
 - Improved sustainability - no bags, no dust
 - No cost to the customer for a Zinmet® dispensing system

Nutrients with Purpose: Zinc and Methionine

Zinc is a trace mineral required by birds to maintain many essential biological functions:

- Activates over 200 enzymes and helps maintain normal immune function.
- Limited storage in the body means diets must contain enough absorbable zinc to meet requirements - and most feedstuffs are zinc deficient.

Methionine is a sulfur-containing amino acid required for normal growth and development:

- Supplementation is essential because it cannot be synthesized in enough quantity to meet daily requirements.
- One of the most limiting amino acids, meaning normal protein synthesis will stop until the methionine requirement is met.

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Zinmet® Liquid Zinc Methionine

A lavender-colored aqueous solution of zinc methionine sulfate.

Packaging:

- Bulk delivery
- 330 gallons (1,250 liters) totes
- 275 gallons (1,041 liters) totes

Zinmet® is compatible with all animal feeds and processed feed ingredients. Zinmet® dispersing system is required for application.

Temperature monitoring and agitation are required.

Analysis:

Zinc (Zn)	10% (100,000 ppm)
Methionine	20%
Moisture	50%
pH	4.6
Bulk Density.....	11.9 lbs./gal (1.42 kg/liter)
Viscosity.....	1,250 centipoise at 100°F

Feeding Rates:

Beef and Dairy Cattle	3.6 grams/head/day
Horses.....	3.6 grams/head/day
Sheep and Goats	0.8 grams/head/day
Swine.....	400 grams/ton of finished feed
Poultry	400 grams/ton of finished feed
Companion Animals.....	400 grams/ton of finished feed



Zinmet® 100 Zinc Methionine

A light tan granular powder with a distinctive sulfur/methionine odor.

Packaging:

- 25kg bags, 40 bags per pallet, 1,000 kg pallets

Zinmet® is compatible with all animal feeds and processed feed ingredients. Dried onto a carrier to displace moisture of the liquid product.

Analysis:

Zinc (Zn)	10% (100,000 ppm)
Methionine	20%
Crude Protein	17.5%
Crude Fiber	16%
Bulk Density.....	43.39 lbs. per cubic ft.

Feeding Rates:

Beef and Dairy Cattle	3.6 grams/head/day
Horses.....	3.6 grams/head/day
Sheep and Goats	0.8 grams/head/day
Swine.....	400 grams/ton of finished feed
Poultry	400 grams/ton of finished feed
Companion Animals.....	400 grams/ton of finished feed

Zinmet® is manufactured by Global Animal Products in Amarillo, Texas in our Safe Feed, Safe Food certified facility under strict quality control.

The final product is analyzed by independent laboratories to ensure maximum quality and consistency.

