



# Zinc Methionine Organic Trace Mineral for Feedlot Cattle

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

Zinmet® is an animal nutrition product in which zinc and a single essential amino acid, methionine, are chemically bonded to form an organic trace mineral (zinc methionine complex). This complex results in a highly bioavailable source of both zinc and methionine for the animal.

### Proven Utilization for Predictable Results

Research shows that chemical bonding zinc and methionine in a complex results in greater absorption and utilization of both nutrients in the animal.

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



In a BRD challenge model with lightweight beef heifers, Zinmet® resulted in:

- Decreased body temperature and a quicker return to baseline temperatures.
- Decreased white blood cell count.
- Increased IL-6 concentration.
- Diminished nasal lesions.
- Increased weight gain during recovery.

### More Benefits of Zinmet®

- Improved hoof health and enhanced immune system.
- Easily adaptable to different feeding regimes.
- Liquid Zinmet® is less expensive and better dispersed in rations than comparable dry products.
- Liquid form is also more sustainable, with less energy use in production, no bags and no dust.

### Nutrients with Purpose: Zinc and Methionine

**Zinc is a trace mineral that plays a major role in normal immune function in beef cattle:**

- Activates over 200 enzymes and helps maintain several essential biological functions.
- 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.

