

# 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  
1,000 litre module

Zinmet® is compatible with most animal feeds and all 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.....	1.42 kg/litre
Viscosity.....	1,250 centipoise at 38°C

**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® 50 Zinc Methionine

A free flowing dry form with a distinctive sulfur/methionine odor.

**Packaging:**

20kg bags, 50 bags per pallet, 1,000 kg pallets

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

**Analysis:**

Zinc (Zn) .....	5% (50,000 ppm)
Chromium .....	0.0417% (417 ppm)
Methionine .....	10%
Bulk Density.....	695.04 kg per cubic metre

**Feeding Rates:**

Beef and Dairy Cattle .....	7.2 grams/head/day
Horses.....	7.2 grams/head/day
Sheep and Goats .....	1.6 grams/head/day
Swine.....	800 grams/ton of finished feed
Poultry .....	800 grams/ton of finished feed
Companion Animals.....	800 grams/ton of finished feed

Zinmet® is manufactured by Austasia Animal Products in Forbes, NSW in our state-of-the-art facility under strict quality control.

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

