



Zinc, Manganese, Copper, Cobalt Trace Mineral Supplement for Dairy Cattle

LT4[®] makes it easier to fill essential nutrient gaps to meet performance and profitability goals.

LT4[®] is a specifically formulated supplement that conveniently combines three organic trace mineral complexes, zinc methionine, manganese methionine, and copper betaine, with inorganic cobalt. The highly bioavailable minerals and amino acids are more effectively absorbed by the animal, with less mineral secreted into the environment.

Proven Utilization for Predictable Results

Research demonstrates that cows supplemented with LT4[®] maintained higher production curves resulting in:



Greater Milk
Production



Increased Milk
Protein Concentrations

Without Any Corresponding Reduction In Milk Fat Concentration

More Benefits of LT4[®]

- Improved immune and reproductive health.
- Aids in maintaining healthy mammary tissues and reducing somatic cell counts.
- Easily adaptable to different feeding regimes.
- LT4[®] 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 plays a major role in normal immune function in dairy cattle and activates over 200 enzymes to help maintain essential biological functions. Zinc storage in the body is limited, so absorbable zinc supplementation is essential.

MANGANESE is required for growth, bone and connective tissue health as well as normal lipid and carbohydrate metabolism. Manganese is also poorly stored in the body.

COPPER plays an important role in reproduction, immune response, enzyme function and red blood cell maturation.

COBALT sustains vitamin B12 production in the rumen and aids in improved fiber digestibility and energy metabolism.

METHIONINE is one of the most limiting amino acids – normal protein synthesis stops until the methionine requirement is met. It is required for normal growth and development but cannot be synthesized in enough quantity to meet daily requirements, so supplementation is critical.

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LT4[®] Mineral Supplement

LIQUID

A light to dark gray colored aqueous solution of zinc methionine complex, manganese methionine complex, copper betaine complex and cobalt sulfate. LT4[®] is compatible with all animal feeds and processed feed ingredients. Agitation is required.

Packaging:

330 gallons (3,500 lbs) totes and bulk delivery

LT4[®] is compatible with all animal feeds and processed feed ingredients. LiquiTrace[®] dispersing equipment is required for application.

Temperature monitoring and agitation are required.

DRY

A light tan to gray powder containing zinc methionine complex, manganese methionine complex, copper sulfate, betaine and cobalt sulfate.

Packaging:

25 kg multi-walled bags

LT4[®] is compatible with all animal feeds and processed feed ingredients.

Analysis:

Zinc (Zn)	4.38% (43,800 ppm)
Manganese (Mn).....	2.43% (24,300 ppm)
Copper (Cu)	1.52% (15,200 ppm)
Cobalt (Co)	0.31% (3,100 ppm)
Methionine	15.2%
Betaine	5.6%
Moisture	50%
pH.....	2.6
Bulk Density.....	11.5 lbs./gal (1.38 kg/liter)
Viscosity.....	1,250 centipoise at 100°F

Feeding Rates:

Beef and Dairy Cattle	8.3 grams/head/day
Horses.....	8.3 grams/head/day
Small Ruminants*	2.0 grams/head/day
Companion Animals.....	250 grams/ton of finished feed

*CAUTION: Contains copper (Cu). Do not feed to sheep.

LT4[®] 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.

