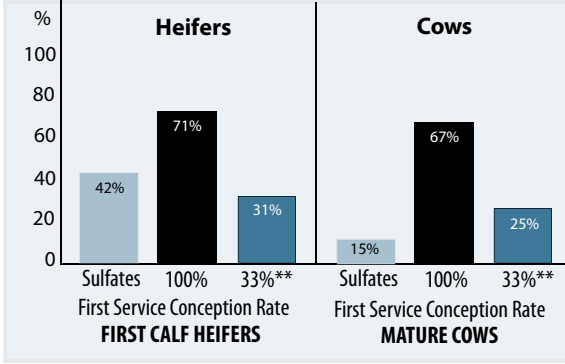


Research indicates the following benefits may be achieved with the addition of organic trace minerals:

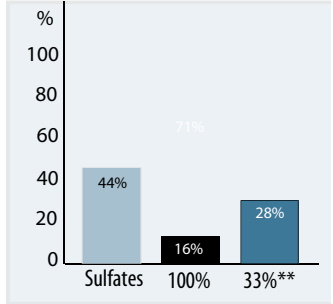
- Improved first service conception rates in first calf heifers over sulfates (71% vs. 42%).
- Improved first service conception rates in mature cows over sulfates (67% vs. 15%).
- Decreased culling rates (44% vs. 16%) over feeding sulfates.

(Source: H. Chester-Jones et al.)

First Service Conception Rates*



Culling Rate*



*J. Anim. Sci. Vol. 80, Suppl. 1/J. Dairy Sci. Vol. 85, Suppl. 1

**Combination of sulfates (67%) and specific organic trace mineral complex (33%)

FEEDING DIRECTIONS

yieldSTART R Organic Trace Mineral Supplement is to be used as a supplemental source of trace minerals for beef and dairy cattle.

Animal Type	Feeding rate (grams/head/day)
Beef	5
Dairy	10

(1 g = 0.035 oz)

STORAGE

Keep package closed. Store in a cool, dry area for maximum stability. Avoid leaving package open for extended periods of time.

Distributed by:

Tel 519-228-6444 • 1-800-265-2904 • Fax 519-228-6560
Email kpalen@kenpal.on.ca • www.kenpal.on.ca

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START YOUR FUTURE NOW WITH OUR RESEARCH-PROVEN PRODUCTS – EACH ONE TARGETED TO PROVIDE A SPECIFIC SOLUTION.



A blend of the organic trace minerals zinc, copper and manganese, in combination with cobalt, developed to enable animals to grow and perform to their maximum potential.



Organic trace minerals for improved performance

Better bioavailability means improved nutrition and ultimately, better performance. The focus of trace mineral nutrition is to provide trace minerals required for optimum health, reproduction and performance of today's genetically superior livestock.

Potential Benefits

- higher bioavailability and absorption
- potential for reduced nutrient feeding levels while maintaining optimum production
- promotes environmental responsibility
- reduced interference from antagonistic nutrients/compounds such as sulfates, iron, molybdenum, etc.
- less degradation of vitamins in feeds and premixes.

WHY ORGANIC?

Organic minerals seem to have a higher bioavailability than inorganic forms, which means that a higher percentage of the nutrients may be available to the animal. They also appear to have greater value when an animal is under nutritional, disease or production stress. Under certain conditions of disease and/or stress, it may be beneficial to provide trace minerals in excess of normal requirements. Some benefits that could be seen are enhanced fertility and reproduction, improved immune system response, and improved mammary and hoof health.

WHY yieldSTART™ R?

Chemical reactions occur during digestion which can often result in excretion and loss of trace minerals. Supplying trace minerals in an organic form will help to protect the minerals from these reactions. yieldSTART R helps to meet these nutritional goals by providing a blend of highly available organic trace minerals.

yieldSTART R contains ingredients that utilize a unique, organic bonding process that helps escort the nutrients into the small intestine to the critical bioavailable target sites. This has been shown to be a cost-effective means of providing key trace minerals where they can make the producer the most return. Feeding yieldSTART R may also reduce the environmental impact of

animal feeds by minimizing the nutrient levels required to be in the ration due to the increased availability of the nutrients. This, in turn, may result in reduced excretion rates, thereby promoting environmental responsibility.

KEY ELEMENTS

ZINC – deficiency may result in loss of appetite and associated lack of performance. It plays an important role in protein, carbohydrate and fat metabolism.

COPPER – has been designated as a primary influencer of reproduction, immune function and red blood cell activity. Copper is involved in energy metabolism and helps to protect tissues from oxidation.

MANGANESE – has a significant effect on reproductive performance, is involved in multiple enzyme systems, participates in carbohydrate, fat and protein metabolism and aids in immune response in combination with other key nutrients.

COBALT – is required by rumen bacteria to synthesize Vitamin B12, which is essential for animal health and metabolism of protein, fats and carbohydrates. Symptoms of deficiency include reduced appetite, weight loss, reduced milk production, rough hair coat and anemia.