

Pro-Phos 12 AV CU Mineral

Type of Feed: Complete mineral **Form of Feed:** Meal

General Description:

Pro-Phos 12 Minerals are recommended for feeding to all cattle on diets composed largely of grass hay or for cattle grazing low quality range or grass pastures.

LAND O LAKES®
PRO-PHOS 12 AV COPPER MINERAL
 FOR PASTURED CATTLE

GUARANTEED ANALYSIS

Calcium (Ca), (Min).....	11.0 %
Calcium (Ca), (Max).....	13.0 %
Phosphorus (P), (Min).....	12.0 %
Salt (NaCl), (Min).....	11.0 %
Salt (NaCl), (Max).....	13.0 %
Potassium (K), (Min).....	1.0 %
Magnesium (Mg), (Min).....	2.0 %
Zinc (Zn), ppm, (Min).....	7,500
Manganese (Mn), ppm, (Min).....	2,500
Copper (Cu), ppm, (Min).....	2,500
Iodine (I), ppm, (Min).....	130
Selenium (Se), ppm, (Min).....	22.0
Vitamin A, I.U./lb, (Min).....	200,000
Vitamin D ₃ , I.U./lb, (Min).....	12,000
Vitamin E, I.U./lb, (Min).....	60

INGREDIENTS

Monocalcium/Dicalcium Phosphate, Salt, Calcium Carbonate, Distillers Dried Grains with Solubles, Yeast Culture, Molasses Products, Magnesium Oxide, Potassium Chloride, Sodium Selenite, Copper Amino Acid Complex, Zinc Sulfate, Manganese Sulfate, Iron Oxide, Basic Copper Chloride, Ethylenediamine Dihydrochloride, Cobalt Carbonate, Vitamin A Supplement, Vitamin D₃ Supplement, Vitamin E Supplement, Mineral Oil, Natural and Artificial Flavor

DIRECTIONS FOR USE

PRO-PHOS 12 AV COPPER MINERAL contains copper from copper amino acid complex, copper sulfate and basic copper chloride. This mineral is recommended for free-choice or force feeding to beef cows and calves during extreme copper deficiency situations or in the presence of known mineral antagonists. Optimum intake is 2 - 4 ounces per head daily. Maximum intake is 4.8 oz (0.3 lb) per head daily.

To assure adequate intake, remove all other salt and mineral products. Have an adequate water supply available and place the mineral feeder near the water supply or in the animals loafing areas. Put out fresh mineral at least once a week. An upright covered mineral feeder is recommended to protect the mineral from weather.

**DO NOT FEED TO SHEEP DUE TO HIGH LEVELS OF
SUPPLEMENTAL COPPER.**

**FERMENTATION FORTIFIED WITH
DIAMOND V XP™ YEAST CULTURE**

Available Options:

Product No.	Options	Mineral Name	Active Drug	Active Drug Level
1990050	Loose	Pro-Phos 12	Non-Medicated	none
1990047	2500 ppm Cu, 7500 ppm Zn	Pro-Phos 12 Cu	Non-Medicated	none
1990053		Pro-Phos 12 AU3500	Aureomycin	3500 g/ton
1990118	2500 ppm Cu, 7500 ppm Zn	Pro-Phos 12 Cu AU3500	Aureomycin	3500 g/ton
1990040	2500 ppm Cu (1/2 organic), 7500 ppm Zn	Pro-Phos 12 AV Cu	Non-Medicated	none
1990049	2.5-3.5% salt	Pro-Phos 12 LS	Non-Medicated	none
1990129	550 IU E/ lb	Pro-Phos 12 E-extra	none	none

Zinc (ZN) is an essential component of many enzymes and hormones. It plays an important role in the metabolism of proteins, fats and carbohydrates, making it vital to good growth rates. Zinc is involved in the proper function of the immune system and is needed to maintain healthy hair, skin and hooves. Zinc deficiency in growing animals is characterized by listlessness, decreased rate of weight gain; lower feed consumption and feed efficiency. Decreased testicular growth or poor sperm quality is to be expected in zinc deficient bulls. Zinc's role in skin integrity leads to the deficiency symptoms of swollen feet with open, scaly lesions; changes in hair coat color/texture; a general dermatitis on the neck, head and legs; and failure of wounds to heal. Zinc deficiency can be detrimental to female reproduction. Inadequate zinc during gestation may result in abortion, fetal mummification or lower birth weights.

Pro-Phos 12 CU Minerals are recommended for feeding to all cattle on diets composed largely of grass hay or for cattle grazing low quality range or grass pastures in areas of known copper deficiencies or known copper antagonists.

Optimum intake of Pro-Phos 12 AV CU Mineral is 2-4 oz. per head daily. Every ounce of Pro-Phos 12 AV CU delivers 71 mg copper and 213 mg zinc. To assure adequate mineral intake, **remove all other salt and mineral products**. Have an adequate water supply available and place the mineral feeder near the water supply or in the animals' loafing areas. Put out fresh mineral at least once a week. An upright covered mineral feeder is recommended to protect the mineral.

CAUTION: Do not feed to sheep or allow sheep access to this mineral because of the high level of supplemental copper.

Key Points

1. Use as a replenishing mineral.
2. Provides balanced levels of calcium, phosphorus and salt.
3. Ideal for feeding cattle on dormant or other low quality forage.
4. Complete macro mineral, trace mineral and vitamin supplement.
5. High copper and Aureomycin formulas available.
6. Block formulas available to assist in limiting intake (see Mineral Block pages for more information).
7. Pro Phos 12 LS (low salt) is designed for areas where salt content of the water or soil is high.