

FBN[®] COPRO-GRAIN MIN 21:4

Mineral for Co-Product or Grain Supplementation

FBN COPRO-GRAIN MIN 21:4 is designed for growing calves fed diets high in co-products (i.e. distillers grains) or feedstuffs that are high in phosphorus and sulfur content.

A ratio of less than 1:1 of calcium to phosphorus predisposes cattle to develop urinary deposits that block urine excretion (water belly). In diets with high phosphorus levels, calcium is needed not only to meet requirements but also to balance calcium to phosphorus ratio.

High sulfur content in diets can also bind to trace minerals, making them unavailable for absorption. To prevent sulfur binding to trace minerals hydroxychloride forms of trace minerals were used. High sulfur content can also cause polio (thiamine deficiency). To help prevent polio, thiamine is included in the product.



SPECIES

Beef Cattle

STAGE OF PRODUCTION

Cow-Calf

CATEGORY

Dry Mineral & Vitamin Supplement

FEEDING ENVIRONMENT

Free Choice; Pasture; Forage-Based Diets

PRODUCT FORM

Granular

PACKAGING

50LB Bag; 1 Ton Tote; Bulk

HOW TO USE

Feed free-choice with expected consumption of 2 to 4 oz/hd/day.

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Product Composition Benefits

21% Calcium, 4% Phosphorus

Grains and grain-coproducts (distillers grains) typically are higher in phosphorus than calcium. Calcium is elevated in FBN COPRO-GRAIN MIN 21:4 to meet calcium needs and to make the calcium to phosphorus ratio greater than 1:1. The other macrominerals are included at levels to meet predicted mineral requirements.

Trace Minerals

Trace minerals are involved in several cellular reactions important to health and productivity of cattle. This product was formulated to meet trace mineral requirements. Similar to all FBN mineral products; however, oversupply of trace minerals was guarded against to control costs.

Hydroxychloride Trace Minerals

Hydroxychlorides are inorganic complexes of copper, zinc and manganese that have been shown to prevent antagonists, such as sulfur, from reacting with the minerals and making them indigestible. Research has also shown that hydroxychlorides had equal or better nutritional attributes compared to organic complexed minerals.

Vitamins

Cattle typically receive their water-soluble vitamins from the rumen microbes. Vitamins A, D3 and E (fat-soluble vitamins) come from their diet. FBN COPRO-GRAIN MIN 21:4 provides fat-soluble vitamins at levels to meet requirements.

Thiamine

Thiamine is included to help prevent occurrence of polio from feeding high sulfur ingredients.

Guaranteed analysis and ingredients may differ slightly between manufacturing facilities. For exact specs, refer to tag supplied with product.

Guaranteed Analysis

Calcium	21%
Phosphorus	4%
Salt	17%
Magnesium	0.7%
Potassium	0.8%
Copper	1,250 ppm
Iodine	60 ppm
Manganese	4,900 ppm
Selenium	12 ppm
Zinc	3,700 ppm
Cobalt	12 ppm
Vitamin A	165,000 IU/LB
Vitamin D3	11,550 IU/LB
Vitamin E	100 IU/LB
Thiamine	400 mg/lb
Trace Mineral Source	50% Hydroxychlorides

Ingredients

Calcium Carbonate, Salt, Monocalcium Phosphate, Processed Grain By-Products, Manganese Sulfate, Potassium Chloride, Magnesium Oxide, Vegetable Oil, Zinc Sulfate, Zinc Hydroxychloride, Copper Sulfate, Vitamin A Supplement, Sodium Selenite, Basic Copper Chloride, Thiamine Mononitrate, Ethylenediamine Dihydroiodide, Vitamin D3 Supplement, Vitamin E Supplement, Cobalt Carbonate.



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