

Techni-Breeder Pro Mineral

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

General Description:

Techni-Breeder Pro Minerals should be offered to beef cows, replacement heifers and bulls involved in artificial insemination or embryo transfer programs or where mineral intake is important.

LAND O LAKES®
TECHNI-BREEDER PRO MINERAL
FOR COWS, REPLACEMENT HEIFERS AND BULLS

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 %
Magnesium (Mg), (Min)	2.0 %
Potassium (K), (Min)	1.0 %
Zinc (Zn), ppm, (Min)	6,000
Manganese (Mn), ppm, (Min)	2,500
Copper (Cu), ppm, (Min)	2,000
Iodine (I), ppm, (Min)	110
Selenium (Se), ppm, (Min)	30.0
Vitamin A, I.U./lb, (Min)	200,000
Vitamin D ₃ , I.U./lb, (Min)	12,000
Vitamin E, I.U./lb, (Min)	250

INGREDIENTS

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

DIRECTIONS FOR USE

TECHNI-BREEDER PRO MINERAL is recommended for free-choice feeding to cows, replacement heifers and bulls. Optimum consumption rate is 2-3 oz per head per day. Maximum intake is 3.5 oz (0.22 lb) per head per day.

Optimum feeding period for TECHNI-BREEDER PRO MINERAL is 60 days before calving through breeding.

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 from weather.

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

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

Product Features:

Product Benefits:

Contains a blend of inorganic and complexed trace minerals (from Zinpro)

Improves performance, reproductive efficiency, immunity and hoof health

Provides optimum levels of trace minerals at a 3 ounce consumption rate

Aids in disease prevention, improves fertility, and promotes fetal development

Contains distillers dried grains with solubles

Improved palatability and more consistent intake

Contains Diamond V's "XP" yeast culture for improved mineral palatability

Better palatability helps maintain consistent feed intake.

Usage Tips

Nutrition plays a key role in both cow and calf health and performance. Trace minerals, in particular, greatly influence reproductive performance and immune system response. Research show that many cow herds are marginally to severely deficient in several trace minerals. Even with sub-clinical trace mineral deficiencies, profitability of cow/calf producers are limited by lower conception rates, longer calving seasons, reduced weaning weights and compromised immune function in both cows and calves.

Trace Mineral Deficiency	Female Fertility	Male Fertility
Copper	<ul style="list-style-type: none"> ↑ Delayed or suppressed estrus and puberty ↑ Embryo death ↓ Conception rates ↓ Ovulation rates 	<ul style="list-style-type: none"> ↓ Libido ↓ Spermatogenesis
Iodine	<ul style="list-style-type: none"> ↑ Silent Heat ↑ Embryonic death ↑ Weak calves ↑ Retained placentas 	<ul style="list-style-type: none"> ↓ Libido ↓ Sperm quality
Manganese	<ul style="list-style-type: none"> ↑ Anestrus ↑ Abortion ↑ Calving problems ↓ Conception rates ↓ Ovulation rates 	<ul style="list-style-type: none"> ↑ Abnormal sperm
Zinc	<ul style="list-style-type: none"> ↑ Calving problems ↑ Abnormal estrus 	<ul style="list-style-type: none"> ↑ Impaired growth and delayed puberty ↓ Libido ↓ Testosterone ↓ Testicular size

Techni-Breeder Pro Minerals are ideally suited to conditions where intake of free choice mineral is difficult to obtain. Meeting trace mineral requirements with Techni-Breeder Pro Mineral will be easier to achieve due to its high content of complexed trace minerals. The high complexed trace mineral content of this mineral promotes its use when antagonistic minerals (high iron, sulfur, molybdenum) exist in the animal's environment.

Techni-Breeder Pro Mineral is targeted to herds needing extra trace mineral nutrition. Such herds may be involved in artificial insemination, embryo transfer or estrus synchronization programs or simply herd utilizing natural cover. This mineral is ideal for replacement heifers, young and mature cows, as well as current and future herd sires. . Optimum intake is 3.2 oz (0.2 lb) per head daily. Optimum feeding period is 60 days prior to calving through the end of breeding.

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. Ideal for high-performance purebred and commercial cow herds where mating cannot be left to chance alone.
2. Superior overall mineral profile and balanced fortification.
3. Provides complex copper, manganese, zinc and cobalt which are essential for proper re-breeding performance after calving.
4. Highly bioavailable trace minerals insure that the animal absorbs critical nutrients even under conditions of low intake or antagonistic minerals in the environment.
5. Mineral program of choice two months prior to calving and up to breeding for purebred cow herds that use artificial insemination, estrus synchronization or embryo transfer as tools for maximizing genetic progress.