

# MoorMan's® GROSTRONG® PRO-VITA-MIN™ 20-5 Tub

Product Number  
11228AAA

A Free-Choice Supplement for Horses on Pasture

## Product Positioning



Mineral and vitamin supplementation is necessary for horses for several reasons:

- Required for digestion and utilization of feedstuffs and for most metabolic processes
- Due to mineral depletion of soils, feedstuff nutrient value is lower
- Mineral and vitamin content of forages varies greatly
- Due to vitamin-mineral interactions, these nutrients need to be supplied in the correct amounts and proportions
- To achieve optimum performance

Supplemental protein may be required based on growth requirements, reproductive stage, and forage quality.

PRO-VITA-MIN 20-5 Tub provides the necessary protein, minerals, and vitamins to complement forages and grains, enabling horses to reach their performance potential. It is an ideal product for meeting nutrient needs under situations that make it difficult to individually supplement horses on a daily basis, such as with pasture or range conditions. It is a good choice for supplementing free-choice to mature horses on pasture or range. Also, it helps meet nutrient needs of yearlings, two-year olds, gestating broodmares, and lactating broodmares. PRO-VITA-MIN 20-5 Tub combines the advantages of GROSTRONG® Minerals with high-quality protein sources. It is the result of unsurpassed formulation expertise and leading edge technology. Over 100 years of formulation and manufacturing expertise back the reliability and nutritional soundness of PRO-VITA-MIN 20-5 Tub. PRO-VITA-MIN 20-5 Tub, a Forage First® Vitamin and Mineral Product, is a key component of the Forage First program. Forage First programs combine good-quality forage, GROSTRONG vitamin-mineral products, and energy-based products, when needed, to produce balanced total rations. With this combination of feeds, horses can be healthy and perform at their best when fed less grain than they would receive from traditional horse rations. Consequently, horses are at less risk of metabolic and digestive disorders and DOD that may result from high-starch intake.

## Product Description

PRO-VITA-MIN 20-5 Tub is a high-quality, protein-vitamin-mineral supplement packaged in 100- and 200-lb tubs. GROSTRONG Mineral Blocks can also be placed in horse pastures to meet additional salt and mineral needs.

## Features

Tub form

Free-choice feeding

Multiple, high-quality protein sources

Contains GROSTRONG Minerals

2:1 calcium to phosphorus ratio

Vitamins A, D, E, and B-complex

Portion of vitamin E is natural-source

Vegetable oil

## Benefits

Convenient, palatable product form makes supplementing horses on pasture easy.

No need to provide supplement on a daily basis; saves labor and decreases time spent feeding.

Provides essential amino acids for growth, reproduction, lactation, and maintenance.

Ensures horses receive 28 major minerals, trace minerals, vitamins, and electrolytes (includes salt) in the correct amounts and ratios needed for maintenance, growth, reproduction, and performance.

Maximizes mineral availability.

Essential for strong bones, healthy eyes and body tissues, reproductive efficiency, and digestive processes.

Protects body tissues from oxidative damage. The need for vitamin E is vital to immune system functioning and may be especially important for working horses as they are more prone to exercise-induced muscle damage. Research shows natural-source vitamin E is more bio-available compared with synthetic vitamin E.

Supplies energy; also contributes to hair coat shine and "bloom."



For equine technical information or assistance: Call our Equine HELPLINE at 1-800-680-8254 or check ADM's Equine Web site: [www.ADMequine.com](http://www.ADMequine.com).

## Product Form/Packaging

11228AAA6G: 100-lb tub      11228BL: 200-lb tub

## How much is needed

- 1 – 2 lb per horse daily, see Instructions for Feeding.

## Guaranteed Analysis

Crude Protein, min. ....	20.00%
Crude Fat, min. ....	5.50%
Crude Fiber, max. ....	5.00%
Acid Detergent Fiber, max. ....	6.00%
Neutral Detergent Fiber, max. ....	10.00%
Calcium (Ca), min./max. ....	1.75-2.25%
Phosphorus (P), min. ....	1.00%
Magnesium (Mg), min. ....	3.00%
Copper (Cu), min. ....	315 ppm
Manganese (Mn), min. ....	525 ppm
Selenium (Se), min./max. ....	3.63-3.65 ppm
Zinc (Zn), min. ....	800 ppm
Vitamin A, min. ....	20,600 IU/lb
Vitamin D <sub>3</sub> , min. ....	2,650 IU/lb
Vitamin E, min. ....	50 IU/lb
Biotin, min. ....	0.8 mg/lb
Starch, max. ....	4.0%
Sugar, max.* ....	5.0%

\*Ethanol Soluble Carbohydrates; Hall, et al. 1999. A method for partitioning neutral detergent soluble carbohydrates. *J. Sci. Food Agric.* 79:2079–2086.

## Ingredients

Corn Distillers Dried Grains with Solubles, Dehulled Soybean Meal, Corn Condensed Distillers Solubles, Soy Flour, Salt, Cane Molasses, Magnesium Oxide, Condensed Fermented Corn Extractives, Corn Germ Meal, Soybean Hulls, Vegetable Oil, Monocalcium Phosphate, Dicalcium Phosphate, Calcium Carbonate, Zinc Oxide, Manganous Oxide, Copper Sulfate, Defluorinated Phosphate, Ferrous Sulfate, d-alpha Tocopheryl Acetate and dl-alpha Tocopheryl Acetate (sources of Vitamin E), Biotin, Vitamin A Acetate, Cholecalciferol, Cobalt Carbonate, Calcium Pantothenate, Sodium Selenite, Thiamine Mononitrate, Riboflavin Supplement, Niacin Supplement, Potassium Iodide, Vitamin B<sub>12</sub> Supplement, Menadione Sodium Bisulfite Complex

## Questions & Answers

- Q. Can PRO-VITA-MIN 20-5 Tub be used for horses fed round hay bales or hay to supplement winter pastures?  
A. Yes. This tub makes an excellent supplement for both pasture and hay-fed horses.
- Q. Can PRO-VITA-MIN 20-5 Tub be used with GROSTRONG Minerals for Horses in block form?  
A. Yes, both products can be offered.
- Q. Can PRO-VITA-MIN 20-5 Tub be used for horses consuming predominantly alfalfa forages?  
A. For horses consuming predominantly alfalfa forages, GROSTRONG Mineral products may be a better choice, since alfalfa provides significant amounts of protein. Make sure protein requirement is met with a combination of hay, feed, PRO-VITA-MIN 20-5 Tub, and a GROSTRONG Minerals for Horses product.

## Instructions for Feeding

Feed GROSTRONG PRO-VITA-MIN 20-5 Tub free-choice to horses on pasture or roughage rations. Make sure animals have adequate pasture or roughage available and are not starved for salt or minerals. Feed GROSTRONG PRO-VITA-MIN 20-5 Tub continuously. Place tubs in pastures near areas frequented by horses, such as watering locations, shade or loafing areas. Place one tub for every 5 horses and place tubs far enough apart to prevent dominant horses from controlling more than one tub. Consumption may vary depending on number of horses per tub, climate, grazing conditions, condition of horses and/or availability of other feeds. Horses should consume 1 to 2 lb per horse daily. In situations where climate and/or other factors result in consumption other than desired, intake of supplement can be increased or decreased by adding or reducing tubs per pasture. Provide adequate forage and supplemental feed as needed to maintain the desired body condition. Provide free access to fresh, clean water at all times.

**CAUTION:** Consumption of this product by sheep and goats may result in copper toxicity. Follow label directions. Feeding added selenium at levels in excess of 0.3 ppm in the total diet is prohibited.