

MoorMan's® GROSTRONG® PRO-VITA-MIN™ 18-12 Tub

Product Number
81658AAA

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 18-12 Tub provides the necessary protein, minerals, and vitamins to complement forages and grains along with a substantial amount of fat for energy, 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 18-12 Tub combines the advantages of GROSTRONG® Minerals with high-quality protein sources along with vegetable fat sources. The inclusion of supplemental fat (energy source) maybe advantageous for horses in thin body condition or when pasture/range does not provide sufficient energy to maintain body condition. PRO-VITA-MIN 18-12 Tub 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 18-12 Tub. PRO-VITA-MIN 18-12 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 18-12 Tub is a high-quality, protein-vitamin-mineral supplement with vegetable oil packaged in a 100-lb tub. It provides 18% protein, 12% fat, and no more than 4% fiber. GROSTRONG Mineral Blocks can also be placed in horse pastures to meet additional salt and mineral needs.

Features	Benefits
Select ingredients, consistent formulation	Ensures product consistency and dependable nutrient sources.
Tub form	Convenient form makes supplementing horses on pasture easy.
Free-choice feeding	No need to provide supplement on a daily basis; saves labor and decreases time spent feeding.
Multiple, high-quality protein sources	Provides essential amino acids for growth, reproduction, lactation, and maintenance.
Vegetable fat sources	Highly digestible energy sources provide more energy per pound compared with grains, thus reducing the amount of starch in the diet which may help lower "grain-high" disposition and risk of digestive disorders, such as tying-up, founder, and colic, associated with feeding large amounts of grain; adds body condition to thin horses and contributes to hair coat shine and "bloom."
Flaxseed	Provides a source of Omega 3 essential fatty acids.
Contains GROSTRONG Minerals	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.

Features and benefits continued on next page.



Features and benefits continued from the first page.

2:1 calcium to phosphorus ratio	Maximizes mineral availability.
Vitamins A, D, E, and B-complex	Essential for strong bones, healthy eyes and body tissues, reproductive efficiency, and digestive processes.

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.

How much is needed

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

Product Form/Packaging

81658AAA6G: 100-lb tub

Guaranteed Analysis

Crude Protein, min.	18.0%
Crude Fat, min.	12.0%
Crude Fiber, max.	4.0%
Acid Detergent Fiber, max. . .	6.0%
Neutral Detergent Fiber, max.	12.0%
Calcium (Ca), min./max.	2.0–2.5%
Phosphorus (P), min.	1.0%
Copper (Cu), min.	315 ppm
Selenium (Se), min./max.	3.6–3.7 ppm
Zinc (Zn), min.	800 ppm
Vitamin A, min.	20,000 IU/lb
Vitamin D ₃ , min.	2,650 IU/lb
Vitamin E, min.	50 IU/lb
Biotin, min.	0.8 mg/lb
Starch, max.	3.0%
Sugar, max.*	4.0%

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

Ingredients

Condensed Fermented Corn Extractives, Corn Distillers Dried Grains with Solubles, Dehulled Soybean Meal, Salt, Whole Canola, Whole Flax Seed, Canola Meal, Field Peas, Magnesium Oxide, Molasses Products, Vegetable Oil, Corn Germ Meal, Soybean Hulls, Calcium Carbonate, Dicalcium Phosphate, Sodium Selenite, Manganous Oxide, Monocalcium Phosphate, Zinc Oxide, Copper Sulfate, Defluorinated Phosphate, Ferrous Sulfate, Vegetable Oil, Potassium Iodide, Cobalt Carbonate, Rice Hulls, Biotin, Vitamin A Supplement, Thiamine Mononitrate, Vitamin E Supplement, Riboflavin Supplement, d-alpha Tocopheryl Acetate, Calcium Pantothenate, Niacin Supplement, Vitamin D₃ Supplement, Vitamin B₁₂ Supplement, Menadione Sodium Bisulfite Complex

Questions & Answers

- Q. Can PRO-VITA-MIN 18-12 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 18-12 Tub be used with GROSTRONG Minerals for Horses in block form?
A. Yes, both products can be offered.
- Q. Can PRO-VITA-MIN 18-12 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 18-12 Tub, and a GROSTRONG Minerals for Horses product.

Instructions for Feeding

Feed GROSTRONG Horse PRO-VITA-MIN 18-12 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 Horse PRO-VITA-MIN 18-12 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 head 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.