

Quality Product

Nutribio products are produced from only quality ingredients. Manufactured under ISO 9002 and UFAS quality standards. Our in-house laboratory ensures that only quality products are manufactured.

Analysis

Minerals

| | |
|----------------|-------------|
| Calcium | 10.0% |
| Phosphorus | 5.0% |
| Magnesium | 3.0% |
| Sodium | 6.0% |
| Total Copper | 2,500 mg/kg |
| Bioplex Copper | 500 mg/kg |
| Total Zinc | 4,000 mg/kg |
| Bioplex zinc | 100 mg/kg |
| Manganese | 2,000 mg/kg |
| Iodine | 100 mg/kg |
| Cobalt | 100 mg/kg |
| Selenium | 20 mg/kg |

Vitamins

| | |
|------------------|---------------|
| Vit A | 300,000 iu/kg |
| Vit D3 | 60,000 iu/kg |
| Vit E | 4,000 mg/kg |
| Vit B1 | 200 mg/kg |
| Vit B2 | 100 mg/kg |
| Vit B6 | 100 mg/kg |
| Vit B12 | 5 mg/kg |
| Vit K3 | 100 mg/kg |
| Nicotinic Acid | 500 mg/kg |
| Pantothenic Acid | 300 mg/kg |
| Biotin | 20 mg/kg |
| Folic Acid | 100 mg/kg |
| Choline | 1,000 mg/kg |



Feeding Instructions

With reasonable access, one block per five horses will ensure adequate daily intakes.

Move blocks occasionally to avoid poaching.

A common practice is to place a block in a used car tyre at the desired feeding site.

Intakes are stimulated by placing blocks near the water trough.

In extremely dry conditions at grass it might be helpful to add water to the bucket in order to keep the licking surface moist and palatable.

If intakes are excessive, blocks should be rationed by putting out a set amount at definite pre-determined intervals.

Feeding Guidelines

Allow 1 x 12kg block per 5 x 500kg animals in a 20 day period.

Recommended Daily Intake

100 grammes (3.5 ounces) per head.

Maximum Daily Intake

125 grammes (4.5 ounces) per head.

Warnings

Do not exceed maximum intake guidelines.

No additional complementary trace elements should be fed without recourse to specific nutritional / veterinary advice.

This block contains high level of copper and should not be fed to sheep.

This block contains high levels of selenium and care should be exercised in high selenium areas.



Manufactured under an
NSAI Registered ISO
9002 Quality System by



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HORSE BLOCK

VITAMINS, MINERALS & TRACE ELEMENTS



www.nutribio.ie

Nutribio Horse Block

The Nutribio horse block is a highly palatable mineral, vitamin and trace element supplement, it contains a comprehensive range of vital vitamins and minerals that form part of a healthy diet for horses. The horse block is designed to be fed to all types of horses in light to medium work and to unsupplemented mares and young stock on pasture alone. It is particularly suited to any horse on pasture. Horses on pasture alone face a serious dietary problem. Research available to Nutribio shows that from the first week of June every year, there is a dramatic fall in copper and zinc levels in grass. During this time when there is a quality block available the consumption of it increases five fold. Therefore it is important for a mineral block to be available to horses at pasture at all times.

Vitamins

The Nutribio Horse Block contains high levels of vitamins: The following are some of the different vitamins and what a deficiency in them may lead to:

Vitamin A: A deficiency in Vitamin A can cause (1) reduced vision in dim light (night blindness), (2) rough hair and scaly skin and (3) Infertility, abortion or production of dead, weak or blind foals. Foals born with low reserves of Vitamin A will have increased susceptibility to scouring.

Vitamin D: Vitamin D deficiency can interfere with bone development.

Vitamin E: Vitamin E deficiency may lead to: Reproductive problems, white muscle disease in foals and impaired development of the nervous system.

Vitamin K: Vitamin K is required for blood clotting.

B1 (Thiamine): Important for energy production, especially the metabolism of carbohydrates. Horses in training burn it up quickly, nervous horses often respond to supplementation.

B2 (Riboflavin): Involved in energy production

B6 (Pyridoxine): Used in protein metabolism

B12 (Cyanocobalamin): Important for the normal reproduction of red blood cells.

Biotin: Important for healthy hoof growth

Folic Acid: Essential for formation of red blood cells.



Minerals

Minerals are an important feature of all horses' diets. Some minerals such as calcium are required in relatively large amounts, others are needed in lesser quantities, commonly referred to as 'trace elements':

Calcium & Phosphorus: Important for strong bones and healthy teeth. Together they make up around 70% of the mineral content of the horse's body, bones and teeth account for most of these deposits. A deficiency or an imbalance in these minerals can have a detrimental effect on the skeleton of the horse, in the young horse this will impair development.

Magnesium: Required in bone formation and calcium and phosphorus metabolism. Significant in maintaining calm and reducing stress.

Sodium: Maintains cellular osmotic pressure for transfer of nutrients to cells and removal of waste. Important for muscle contraction.

Copper: Important for bone development, cartilage and elastin formation, hair pigmentation and iron utilisation. Deficiency may result in blood vessel rupture, brittle bones and anaemia.

Iodine: Used by the thyroid gland to make the hormone thyroxine which affect metabolic rate, oxygen consumption, use of glucose, protein synthesis.

Deficiency in in-foal mares may result in weak or still-born foals.

Selenium: Important for muscle function. Allied to Vitamin E, protects against free radicals (oxidative destruction) in body tissue.

Manganese: Necessary for cartilage and bone formation and important for the reproductive system. Deficiency may lead to shortened and crooked limbs.

Zinc: Important role in protein synthesis and metabolism. Found in skin and hair. Deficiency can cause skin lesions and poor growth.

Cobalt: Required for synthesis of Vitamin B12 in the intestinal track.



Optimum Levels

The Nutribio Horse Block has optimum levels of balanced minerals and vitamins in a highly palatable form. By using 'Bio-plex' trace elements difficulties with the availability of certain trace elements are overcome. Problems can occur when minerals such as copper are tied up, copper is often tied up with the high Molybdenum in Irish soils. This can be overcome by using 'Bioplex' trace minerals, Bioplex means that the mineral is in an organic complex form, thus improving availability and utilisation of minerals. Results from trials show that horses supplemented with Bio-plex copper and zinc have higher digestibility and retention of Copper and Zinc compared to the inorganic form of the minerals. Bioplex Copper and Zinc are included in the Nutribio Horse Block: