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EquiBioHoof

Our EquiBioHoof is a nutritional supplement which provides all the nutrients necessary to protect and nourish the horses hoof. It aim is to ensure optimum hoof growth and improve the integrity of the hoof while containing ZERO sugar.

The horse's foot is an impressive structure- it is light weight, flexible yet withstands constant concussion and trauma during movement.

- The wall carries the bulk of the horse's weight but also protects the underlying structures (bone, nerves, vessels and connective tissue). It is comprised of 3 specialise layers- stratum externum, stratum medium and stratum internum.
- The bars act as a brace to control expansion and contraction of the hoof.
- The sole covers the softer tissues and allows for grip and expansion.
- The frog aids in absorbing concussion, circulation and regulates moisture.

The hoof horn is composed of horn cells and keratin sulphate based matrix. Keratin sulphate is a protein and sulphur rich material which plays a very important role in maintaining the moisture content of the hoof which in turn gives the hoof its elasticity and ability to absorb concussive forces and therefore reduces wear and tear on the internal structures. Inadequate moisture or nutrition results in the hoof horn breaking down which will present as cracks, brittle hooves and shoes falling off. EquiBioHoof is scientifically proven to provide the nutrients required for the horse to maintain a healthy hoof production.



The following ingredient are included in EquiBioHoof:

❖ Biotin

- ◆ Proven to result in improved hoof growth and strength within 3 months of starting supplementation
- ◆ Studies have also shown cracks in the outer layer of the hoof wall (stratum externum) respond very well to biotin supplementation.
- ◆ The recommended daily allowance of biotin for a 500kg horse is 2mg/day. However, increased supplementation of biotin has been proven to result in further improvements.

20g of EquiBioHoof contains 80mg of biotin which is optimum for absorption from the small intestine. Additional Biotin fed is unlikely to be well absorbed.

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❖ Calcium and protein

- ◆ High levels of protein in the diet encourage the uptake of calcium.
- ◆ Dietary Calcium has been shown to alleviate hoof problems which do not respond to biotin alone.
- ◆ Additionally, dietary calcium has a therapeutic and prophylactic properties for laminitis by altering the balance of phosphorus (a precursor to sudden onset laminitis).

20g of EquiBioHoof contains 7,500mg of calcium carbonate which is the recommended level based on current research.

❖ Bioavailable Sulphur: Methionine and MSM

- ◆ Sulphur is key for keratinisation of the hoof.
- ◆ Horses must meet their sulphur requirements from the diet therefore an easily absorbed dietary source is vital.
- ◆ Methionine is an essential amino acid and is vital for the integrity of keratin sulphate
- ◆ MSM is nutrient rich in sulphur and ensures there is adequate sulphur in the diet for hoof growth.

20g of EquiBioHoof contains 2,500mg of MSM and 2,500mg methionine.

❖ Zinc

- ◆ Zinc is an essential component in DNA and protein synthesis, protein and carbohydrate metabolism and healing of damaged cells.
- ◆ Keratin is a protein rich material and therefore zinc is key for healing of horn tissue.

20g of EquiBioHoof provides 600mg of zinc to promote optimal growth and healing in hoof horn.

❖ Amino Acids

- ◆ Amino acids are the building blocks of protein and therefore essential for keratin and hoof horn integrity.

When fed for 150 days or more, EquiBioHoof will result in:

- Improved rate of hoof growth
- Improved hoof strength and quality
- Cracks and brittleness disappear
- Hooves develop a better shape
- Walls become thicker and tougher



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