

# Hoof Supplements

## Vitamins and the Hoof

### Biotin and Amino Acids

are very important in hoof nutrition.

Hoof and Hair Guard	100	mg of biotin	6 oz per scoop
Biotin Plus	50	mg of biotin	1.33 oz per scoop
Remission	20	mg of biotin	1 oz per scoop
Formula4feet	20	mg of biotin	1 oz per scoop
Biotin crumbles	7	mg of biotin	1 oz per scoop
Farriers Formula	5.3	mg of biotin	6 oz per scoop

**Biotin** is one of the very important B vitamins. It's found in grass and vegetables and in grains, which are high in protein. It's necessary for good hoof formation and healthy horn growth. Biotin has been heralded as a hoof enhancer for many years.

**Amino Acids** are the building blocks of protein. The horse's digestive system converts plant protein into amino acids. Many of the nutrients are bonded to amino acids to enhance bioavailability. Recent research has shown that supplementation with DL-Methionine and L-Lysine improves hoof growth and integrity.

**Vitamin A** plays an important role in bone formation, tissue maintenance and hoof wall growth and strength. Vitamin A is necessary for the growth and development of normal hoofs and also helps maintain a healthy vascular system. Horses that are deficient in Vitamin A produce a poor, weak hoof wall have dull coats and weepy eyes. Vitamin A is found in fresh plants. If your horse eats lots of green and leafy grass and hay, should get enough vitamin A. If your horse is stabled or in a pen, then you may want add Vitamin A into their Diet.

**Vitamin D** also plays a role in bone formation because it enhances calcium and phosphorous absorption from renal tubules in the hooves.

**Vitamin E** plays an important role in muscle structure, which is directly related to the activity of the hoof. Selenium is thought to be involved in vitamin E absorption and/or retention. Selenium deficiencies include loss of hoof, mane and tail.