



DIAMOND V[®] XPC

PREBIOTICS AND THE LOW DOWN ON YEAST CULTURE

The horse's digestive system is both delicate and complicated. It is easily upset by almost any change in feeding schedule, exercise, health status, or medication. Recognising this, owners and trainers use supplemental digestive aids to prevent upsets and help horses get maximum benefit from their diets.

The hind gut of the horse is populated with billions of microbes (bacteria, fungi, and protozoa) which aid in fermentation of cellulose and other fibrous feed elements. The fermentation process leads to the synthesis of protein, vitamin K, and the vitamin B complex, while producing volatile fatty acids that the horse uses for energy.

The microbial population in the gut is made up of several hundred different types and strains of organisms. The numbers and ratios are constantly shifting as the horse eats and drinks, but a healthy balance is usually maintained. Illness, stress, changes in feed or their exercise schedule can cause a large enough change in the intestinal environment to cause one type of microbe to multiply quickly or another to decline in numbers.

The result of these changes may be mild problems such as diarrhea, or more serious conditions such as colic or laminitis.

Through detailed and robust research, the one ingredient Barastoc has embraced is the prebiotic Diamond V[®]XPC yeast. Prebiotics are substances that support intestinal microorganisms.

By providing easily utilised nutrients and creating a favourable environment, prebiotics encourage the growth of microbial strains that been depleted or overwhelmed by a digestive upset. Yeast, a common prebiotic, furnishes amino acids and oligosaccharides that nourish desirable bacteria and in turn, enhance the equine immune system.

WHY CHOOSE DIAMOND V[®] XPC?

- ✓ Promote digestive health by promoting a optimal balance of bacteria in the hind gut, reduce systemic inflammation function, improved immune function and gut morphology.
- ✓ Benefits superior growth rates in young horses being prepared for sale including greater average daily gains and wither height in horses supplement with feed containing Diamond V[®] XPC.
- ✓ Proven studies show in both growing and mature horses, that improved protein, fibre and nutrient digestibility has been reported.
- ✓ Provides benefits for performance horses with improvements in plasma fatty acid levels, reduced post-exercise plasma lactate levels, and improved heart rate during and recovery after exercise.

