



## BUILDING A BETTER FOOT THROUGH **BETTER NUTRITION**

Hoof growth and quality are influenced by many factors, including genetics, structure, performance, nutrition and care from the owner, farrier and veterinarian. Triple Crown knows nutrition plays an important role in growing healthy tissue resulting in a healthy foot, so our products feature:

- **Corn free formulas**
- **Fixed formulas** – formulas list specific ingredients to ensure consistency, batch-to-batch
- **Low NSC options** – balancers, complete feeds and forages

Excellent hoof quality is the result of a healthy microbiome combined with a balance of vitamins and minerals to ensure normal cell function and structural integrity. To help support a healthy gut, Triple Crown formulas include:

- **Seven organic minerals:** improves absorption and avoids interactions with other minerals
- **Probiotics:** reduces digestive upsets during periods of stress
- **Bacillus Subtilis:** a patented spore former that protects against a variety of Clostridium species
- **Yeast Cultures:** helps maintain a healthy microbial population
- **Digestive Enzymes:** helps maximize the digestion and absorption of fats, protein, carbohydrates, and minerals in the small intestine
- **Mannan Oligosaccharide/MOS (prebiotic):** helps prevent pathogenic bacteria, like E. Coli and Salmonella, from challenging the digestive system
- **Mycotoxin Prevention:** helps neutralize various forms of mycotoxins found in hay
- **ButiPEARL Z EQ™:** a combination of zinc and butyric acid strengthens the lining of the gut, leading to improved nutrient absorption and a stronger barrier against toxins and pathogens

# NUTRITION GUIDELINES FOR COMMON DISORDERS

**Laminitis:** Control soluble carbohydrate intake and provide additional calories from fat and digestible fiber sources. Limit pasture consumption during spring and fall seasons due to high levels of plant starches and sugars.

*Recommended Products:* Triple Crown Senior/Senior Gold/Senior Active+/Low Starch for harder keepers; Balancer/Lite for horses with excessive body condition/easy keepers; Safe Starch® Fortified Forage.

**Cushings/Equine Metabolic Syndrome:** Horses with Equine Cushings Disease (PPID) may be insulin resistant with elevated blood glucose and/or blood insulin levels. Feed a low soluble carbohydrate (starch + ESC) diet fortified with high levels of antioxidants (Vit E, C and organic selenium) to horses with Equine Metabolic Syndrome (EMS) to support immune system function. In severe cases where horses may have laminitic episodes, a dietary soluble carbohydrate level of 10% or less (hay & feed combined) is suggested.

*Recommended Products:* Triple Crown Low Starch, Senior Gold/Senior Active +/Senior, for harder keepers; Balancer/Lite for easy keepers and Safe Starch Fortified Forage

**Insulin Resistance:** Insulin resistance (IR) is the failure of body tissues to respond as expected to the hormone insulin. Insulin is released after blood sugar (glucose) is high, such as after eating, to stimulate the uptake of glucose by tissues. IR occurs when the cells become less sensitive to insulin thereby limiting the uptake of glucose, thus limiting the availability of energy to cells. Daily exercise (approx. 30 minutes each day) will help with weight loss in conjunction with a review of the diet. Hay should be tested to determine nonstructural carbohydrate level. Hay can be soaked for 30 minutes to remove some of the sugar (drain water before feeding). Ration balancers are a good choice for easy keepers, providing the necessary nutrients without excess calories and soluble carbohydrates.

*Recommended Products:* Triple Crown Balancer, Lite, Safe Starch Fortified Forage and Timothy Balance® Cubes

**Leaky Gut Syndrome:** Leaky Gut Syndrome occurs when the lining of the gastrointestinal tract is compromised, allowing harmful pathogens or toxins to cross the intestinal barrier and be absorbed into the bloodstream. This 'leak' into the bloodstream will cause intestinal inflammation, resulting in various systemic problems. Stress is a major factor contributing to Leaky Gut (stress from environment, trailering, competition, changes in diet, etc.). Signs of Leaky Gut may include behavior changes, poor performance, weight loss, skin allergies, loose manure, colic, laminitis. Feed nutrients that support gut health—ButiPEARL promotes intestinal barrier health and CLOSTAT, a patented strain of Bacillus Subtilis, inhibits pathogen growth and restores the microbial balance.

*Recommended Products:* Any Triple Crown feed, Safe Starch Fortified Forage/StressFree® Fortified Forage

