

# *Performance Horse Nutrition*

The nutritional needs of performance horses differ from maintenance horses in way other than just volume. Performance horses, including racing, rodeo, eventing horses etc. have an increased need for micro and macro minerals, energy, and vitamins to allow them to replenish the loses that occur with extreme levels of work.

**Prince Regency Performance is designed to meet the special needs of horses dealing with physical and mental stress.**

Carl Nafzger, trainer of 1993 Kentucky Derby winner Unbridled, in his 1994 book "Traits of a Winner" goes to great lengths identifying a good immune function as one of the most important attributes of the thoroughbred athlete. The physical stress of extreme exertion often combined with travel and other conditions that are stressful can lead to breaks in training and poorer performance. The same logic also applies to equine athletes in other physical disciplines .

Regency Performance helps supports a strong immune function by containing chelated minerals and the more active natural form of Vitamin E. Regency Performance also contains ZeoCarb® which contains an compound demonstrated to absorb toxins. Prince Regency Performance Formula contains Celamax® a source of manna oligosaccharides (MOS). Laboratories have shown this product to agglomerate and reduce the concentrations of E. coli and Salmonella. Additionally, Celmanax acts a source of beta-glucosamines, which have been demonstrated to help maintain good joint health.

**Prince Regency Performance is designed to meet the protein and energy needs of the equine athlete.**

Additional physical activity in mature horses does not dramatically effect the protein needs of the equine athlete. Prince Regency Performance is designed with only a 12% crude protein level. Regency Performance has been balanced with the Amino acid needs in mind. With a proper amino acid balance the total protein requirement can be lowered. This is important because excess amino acids requires the animal to remove them through the production of urea, a biological activity that "costs" energy. In fact high protein diets can be a weight reducing diets, something we do not want to do with the athlete.

Regency Performance does contain added fat, which can supply additional energy, while reducing the potential for acidosis that can be associated with high grain feeding. Fat contains more energy than carbohydrates, may reduce the incidence of ulcers and does not present a problem for large gut fermentation. Regency Performance has a combination of fats high in the essential fatty acids, with a combination of omega 3 and omega 6 fatty acids. Prince Regency Performance is also high in digestible fibers. These fibers, when digested in the hind gut, provide energy levels similar to grain feeding, but without the insulin effect.

Prince Regency Performance does contain non-structural carbohydrates. It remains important to provide starches that can be converted to glucose and glycogen for storage in tissues. Starches still remain the most economical source of energy, and when put in the

proper ratio to fats and digestible fibers are still a valuable part of the equine athlete's diets. The vast majority of horses will respond positively to the formulation found in our Performance Formula. For horses that have a specific history of rhabdomyolysis "tying-up", we can assist you in designing a specific feeding plan using our Draft formula in combination with specific fiber and fat source that may be available in your area. Regency Draft Formula may also be used in developing diets for older horses suffering from Cushing syndrome.

## Key Features of Prince Regency Performance Formula (#210008)

- Chelated Mineral-superior biological availability
- Proteins balanced for amino acids.
- Contains Natural Vitamin E- Greater biological availability with increased plasma concentrations compared to synthetic forms.
- Contains Zeo-Carb® to reduce the effects of excess Nitrogen
- Total tract buffer to reduce acid effects
- Contains Celmanax® (mannan oligosaccharides) to help support immune protection
- Contains d-glucosamine