

## **Our Approach to Performance Nutrition**

In formulating feeds for horses with high-energy requirements our goal has been to utilize a variety of energy sources. Starch, fat, and readily digestible fiber are most appropriate when a horse's energy needs are high or when a client is dealing with debilitated or hard-keeping horses.

**STARCH** – A versatile energy source for the horse, starch is the primary component of cereal grains. Of the grains fed to horses, oats are generally the most popular among horsemen, but corn has the highest starch content. This is why a combination of both ingredients is used in our premium quality products. Starch is the dietary energy source of choice since its digestion results in a direct rise in blood glucose and insulin. Blood glucose is used to make muscle glycogen, an important fuel for energy generation during exercise.

**FIBER** – Not only is fiber an energy source that is often overlooked, but it is also essential to the health of the performance horse. The end products of fiber digestion in the horse's caecum are used as an alternative energy source throughout the day. One percent of body weight per day should be devoted to hay intake. However, the beet pulp contained in Hallway Racing Products is used by the horse as alternative energy source. It contains a high percentage of digestible fiber and its energy value is similar to that of oats.

**FAT** – An important energy source, fat can be oxidized aerobically to produce energy or stored as body fat. Often times the high performance athlete cannot or will not eat enough feed to meet its energy requirements. In these instances added dietary fat increases the energy density of the ration so that less feed is required. Vegetable oils are the source of added fat in Hallway Feeds Products and are included to make grain rations 5-10% fat.