



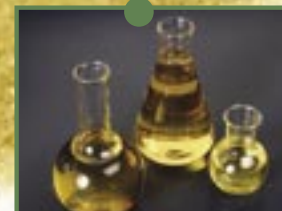
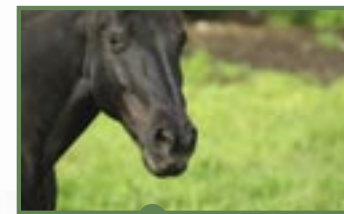
Introducing the Solaris™ brand of food and feed ingredients. With a revolutionary new ethanol pre-process technology, we offer better value in ethanol co-products. A rigorous quality control initiative assures that the Solaris brand can be relied upon to deliver a true, consistent level of the highly digestible nutrients: energy, protein, and fiber. Processing efficiencies are also improved because the non-fermentable corn fractions are removed early in the process. The end result is a line-up of safe and natural food and feed ingredients from a more efficient process, which contributes to a healthier economy by supplementing the farming and ethanol industries.

Traditionally ethanol is produced by fermenting whole ground corn. The resulting products of the process are ethanol, CO₂, and distillers grains with solubles. The non-fermentable components of this traditional ethanol production go through the entire fermentation process. Because the whole kernel is ground, the resulting co-product is ultimately high in fat, fiber, potassium and phosphorus. For feed applications, this makes it difficult to formulate rations for both ruminants and monogastrics.

To add nutritional value to the ethanol manufacturing process, a new and novel wet milling technique has been developed which separates the germ and bran from the corn kernel prior to ethanol fermentation. Following this separation, the primary remaining fraction, starch, is used in making ethanol.

Today, Corn Value Products, LLC works with the traditional ethanol manufacturer to transform their operations with this next generation technology called HydroMilling™. Because of this new technology, ethanol producers will be able to produce Solaris brand food and feed ingredients.

Through this patent-pending process, more specialized food and feed products are fractionated from the corn before ethanol production. The exclusive HydroMilling process allows for separation of the germ and fiber from the starch portion of the corn thereby providing only the essential portion of the kernel for ethanol production. The germ of the corn can be processed for corn oil for human consumption; fiber streams are also separated for food and feed applications. By using various combinations of fiber, solubles and the high protein co-product from fermentation, Solaris brand feed products are produced.



Feed Ingredients

In the feed industry, there are currently three primary Solaris brand names. Customized products can be created as the demand arises. Consistency in production and nutritional values are the keystones of the Solaris brand.

Energia™ – With a higher protein level than DDGS, Energia is a low fat, high protein ingredient that is very palatable and extremely digestible. It can be used in higher concentrations by both ruminants and monogastrics. Energia is also low in phosphorus and low in potassium, and is a highly digestible source of critical nutrients.

ProBran™ – A highly digestible source of NDF, ProBran is a very palatable, high fiber option. A great energy ingredient for ruminants. Low dust, ProBran is very flowable. This low fat product is great for creating additional value in your rations.

Glutenol™ – This concentrated source of protein is high in energy, sulfur amino acids and available phosphorus. Unlike corn gluten meal, SO₂ is not added during the process, making Glutenol very palatable. Very low in moisture, it is also low dust and flowable, allowing it to mix easily. High carotenoids content creates a desirable gold color for eggs and poultry.

Glutenol XP™ – With no solubles, XP is a more concentrated source of protein and amino acids.

NeutraFiber™ – A pure fiber that is neutral in color, odorless, and bland in flavor. A consistent product, NeutraFiber is very concentrated in total dietary fiber (TDF).

Food Ingredients

Solaris custom corn products are a natural addition to the food industry. With a concern for trans fats and allergens, corn ingredients are the perfect source for stable vegetable oil, protein and fiber. With the exclusive SO₂-free HydroMilling process allowing for separation of the corn germ and bran, the possibilities for food applications are tremendous. Contact a QTI representative to learn more about food applications and Solaris products.

Solaris

The opportunity to create better food and feed products exists today from the burgeoning ethanol industry which utilizes corn to help lessen dependence on depleting oil sources. Quality Technology International is partnering with ethanol, food, feed and farming to market innovative technologies to advance these industries.

Solaris brands are on the forefront of creating higher-value, natural products that add to the appeal of ethanol production. A commitment to quality control assures products that are consistent time after time. To learn more about the Solaris brand of products, call your QTI representative or visit our website at www.solarisquality.com.



 SOLARIS™

QTI™

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