Many Uses of the Soybean!

Adhesives Antibiotics

Anti-Corrosion Agents Asphalt Release Agents

Automotive Parts

Baby Food

Bar Chain Oils

Biodiesel Candles

Candy

Concrete Sealers

Cosmetics

Crayons

Degreasers
Emulsifying Agents

Fabric

Fifth Wheel Grease

Fish Food Glycerine

Graffiti Removers Hand/Body Lotions

Hand Sanitizer

Inks

Insulation

Lecithin

Livestock Feed

Lubricants

Mattresses

Meat Alternatives

Mosquito Repellents Nail Polish Remover

Paint

Paint Removers

Pet Food Plastics

Plywood Glue

Printing Materials

Recipes

Rubber Shirts

Silk

Skateboard Wheels Soap/Shampoo

Socks

Soymilk

Spray Foam Insulation

Sunscreen

Teddy Bears

Tofu

Toilet Cleaner

Towels

Truck Bed Liners

Vegetable Oil

Wall Boards

Wall Decorations

Wood Sealer Yarn



For more soybean information, product list, or recipes:
www.michigansoybean.org
www.soynewuses.org
www.soybean.org







SOYBEAN - The Miracle Crop

A soybean is a legume related to clover, peas, and alfalfa. Soybeans are grown in 31 states by some 500,000 U.S. farmers. From a 60 pound bushel of soybeans, we get about 11 pounds of oil, 44 pounds of protein-rich meal, and 5 pounds of hulls.

More soybeans are grown in the U.S. than anywhere else in the world. Recent harvests have yielded about 3.3 billion bushels of soybeans each year. About 50 percent of U.S. soybeans are exported to major markets which include the European Community, Japan, Taiwan, Mexico, and South Korea.

Soybeans are graded, screened, and cleaned. The beans are then cracked, dehulled, and rolled into "full fat flakes." The soybean oil is removed and the now defatted soy flakes are used for animal feed and other products.

Soybean oil and protein are used in food, feed, and industrial products. The soybean is truly an incredible bean and is often called "the Miracle Crop" because of its many important uses. The oil provides us with margarine, vegetable oil, salad dressing, and mayonnaise. Examples of industrial applications include the use of the oil as a carrier in inks and paints. It also provides an environmentally-friendly fuel for diesel vehicles, industrial lubricants, solvents, and hydraulic fluids.

Whole soybeans and protein from the soybean meal are used in products ranging from feeds for poultry, swine, and other animals, to tofu, soy sauce, and soy flour in baked goods. In addition, the protein is used in industrial products such as plastics, wood adhesives, and textile fibers.

A BRIEF HISTORICAL VIEW

Farmers in China grew soybeans some 5,000 years ago.

1204

Soybeans brought to U.S. from China.

1829

U.S. farmers first grew soybeans. During the Civil War, soybeans were used as "coffee berries" to brew "coffee" when real coffee was scarce.

1880's

Farmers began to grow soybeans for cattle feed.

1904

George Washington Carver began studying the soybean at the Tuskeegee Institute in Alabama. People no longer thought of the soybean as just a feed crop, but also as a source of protein and oil.

1925

The American Soybean Association was organized.

1940

U.S. soybean crop had grown to 78 million bushels harvested on five million acres. The U.S. was a net exporter of soybeans and soybean products.

1950's

Soybean meal used as a low-cost, high protein feed ingredient helped increase poultry and livestock production.

1976

A soybean checkoff program was established in Michigan by its soybean farmers.

1991

The United Soybean Board was established and the national soybean checkoff began.

1996

First U.S. soy sales to China.

2010 & Beyond...

Soybeans are an important contributor to Michigan's agri-food system. It is 2nd only to corn in value of field crop production with a total impact of more than \$1.5 billion.

The Parts and Lifecycle of the Soybean

