



OHIO SOYBEANS PROVIDE INNOVATIVE SOLUTIONS



The Ohio Soybean Council (OSC), through soybean checkoff investments, is committed to funding the research, development and commercialization of new industrial uses for soybeans. It is OSC's mission to increase soybean demand through advancements in soy-based research and technology.

Through a broad range of research and development initiatives, soybeans are destined to play a vital role in the creation of new products, solutions and chemical alternatives for the future.

The Soybean Checkoff Supports Innovative Solutions

- There are a variety soy bioproducts that are available today such as: household cleaning products, hand sanitizers, lotions, sunscreen, BBQ grill cleaners, septic cleaners, degreasers, lubricants and even soy foams in sofas and chairs made by La-Z-Boy™ and other furniture manufacturers.
- Soybean oil bio-lubricants can provide a viable alternative to petroleum lubricants in many applications. Work is in progress to develop low-cost lubricants with acceptable performance characteristics to use in engine oils, hydraulic oils, greases and others.
- Soy-based oils are better for the environment and easier to clean up and recycle.
- John Deere and Case New Holland use soy plasticizer to manufacture sheet-molded paneling for their equipment.
- Ford and other major auto manufacturers are experimenting with components made of soy foam.
- Soybeans are used to make paints, which are used by companies like Sherwin Williams, and coatings that are safer for the environment than typical finishing products.
- Soy-based materials are gaining popularity in the construction industry with new applications ranging from adhesives and composites to carpeting and insulation.
- Soy polyols are used in the production of polyurethane products such as foams and resins.
- Feedstocks, such as soybean oil, are a cost-effective alternative to petroleum.

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- Soybean oil-derived plasticizers are being developed for use in the processing of PVC resins. The goal is to meet the need for a cost-effective, non-toxic, environmentally friendly alternative to petroleum-derived plasticizers.

Facts on New Uses for Soybeans

- Polyols from soybean oil have the potential to use 50 million bushels of soybeans per year.
- Soy-based powder coatings have the potential to use 40 million bushels of soybeans per year.
- Soybean meal in industrial applications has the potential to use 150 million bushels per year.