



Interview technical experts involved in researching new soy technology or United Soybean Board (USB) farmer-leaders involved in funding the research of new soy technology.

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USB-Funded Study Proves Environmental, Energy Benefits of Soy Products

The recent results of a U.S. soy life-cycle profile study funded by the United Soybean Board (USB) confirm why manufacturers increasingly turn to U.S. soy in green chemistry for a wide variety of products that are sustainable. The study updated the U.S. Department of Energy's life-cycle inventory (LCI) with data from 2001-2007. As part of the study, a life-cycle impact analysis of four soy-derived feedstocks – methyl soyate, soy lube base stock, soy polyol and soy resin – using the updated LCI data was conducted. The updated data showed each soy-based feedstock reduced greenhouse gas emissions and cut the use of petroleum, compared with similar petrochemical-based products. To view the entire report, click [here](#).

Soy-Based Roofing Adhesive Could Cut Use of Asphalt

With partial funding from USB, Niemann & Associates will soon begin applying the first-ever biobased-certified soy-based adhesive for built-up roofs (BUR) on commercial buildings. Low-sloped commercial roofs are predominantly BUR, which are typically constructed using hot asphalt that contains carcinogens and produces toxic fumes during application. According to the company, the cold-applied soy-based adhesive contains 28 percent biocontent, in accordance with ASTM standards, and contains soybean oil and glycerin, a co-product of the biodiesel manufacturing process. The soy-based adhesive contains less than half the asphalt of traditional BUR adhesives and could replace more than 500 million gallons of asphalt over a three-year period. To find other soy-based roofing products, visit the online [Soy Products Guide](#).

Kids and the Environment Will Love Soy-Based Wall Décor

A soy-based idea that was devised to create a more child-friendly atmosphere on the pediatric floor at a Southern California hospital resulted in a product that could help improve the environment for generations to come. Wallables, a line of three-dimensional, easy-to-apply children's wall decorations, are made from soy-based foam. Wallables replace petrochemical-based foam with a proprietary formula of Dow Chemical's Renuva foam, made from U.S. soy. According to manufacturer Hot Buttered Elves, Inc., making Wallables with soy oil results in 60 percent less carbon dioxide emissions than foam made solely from petrochemicals. For more information on Wallables, including purchasing information, click [here](#).

Soy Goes Along for the Ride in Record-Breaking Mustang

A Ford Mustang that broke the land speed record for alternative-fuel cars last year is fueled by and built partially out of U.S. crops. The Mustang, which hit a top speed of 255.7 miles per hour at Bonneville Salt Flats, features soy-polyol body panels, soy-foam seats and soy-based primer and paint, and runs on 85 percent ethanol. Brent Hajek, an Oklahoma soybean and corn farmer who owns Hajek Motorsports and the Mustang, said the soy-based hood, front fascia and front fenders are lighter and just as strong as steel and held up well in the extreme conditions. And the soy-based paint refused to crack. For more on why Hajek decided to use soy-based parts on his record-breaking Mustang, click [here](#) to watch a video.

To learn more about soy-based products, visit USB's *Soy Products Guide* online at www.soynewuses.org.

USB is made up of 68 farmer-directors who oversee the investments of the soybean checkoff on behalf of all U.S. soybean farmers. Checkoff funds are invested in the areas of animal utilization, human utilization, industrial utilization, industry relations, market access and supply. As stipulated in the Soybean Promotion, Research and Consumer Information Act, USDA's Agricultural Marketing Service has oversight responsibilities for USB and the soybean checkoff.