USSOY

Sustainable U.S. Soy

U.S. Soy farmers sustainably produce high-quality soy, fueling industry and nourishing people around the globe while preserving our planet for future generations.

Do Much More With Less

U.S. soybean farmers are widely recognized for their innovative solutions to meet the challenges of a changing climate. Through their commitment to sustainable agriculture, they are producing more with fewer resources while supporting the health of both our people and our planet.

As a result, U.S. Soy has the lowest carbon footprint, including land use change, compared with soy of other origins.

Since 1980, U.S. Soy farmers have made sustainability improvements:

- ↑ **48%** land use efficiency improvement per bushel
- ↑ **46%** energy use efficiency improvement per bushel
- ↑ **130%** production increase
- ↑ **34%** soil erosion improvement per acre
- ↑ **43%** greenhouse gas emissions efficiency per bushel

U.S. Soy Supports Sustainability Goals

Innovative Agricultural Practices

U.S. Soy growers are committed to sustainability, with 95% partnering with the USDA to implement conservation programs and processes on their farms.

Cover Crops

U.S. soybean farmers plant cover crops, which protect the soil from erosion and nutrient loss.

No-Till & Precision Farming

No-till farming preserves the integrity of the soil and is made easier through the use of precision technology, such as auto steer tractors, GPS mapping, drones and satellite imagery.

Water Management

Water use for irrigation decreased from 1.09 acre-inches per bushel in 1980 to 0.73 acre-inches per bushel in 2015 thanks to advances in water management technology.

Bioengineering

Advancements in soybean seed bioengineering allow soybean growers to reduce herbicide applications, decrease weed and insect pressure, increase yields and profits, as well as a plethora of environmental benefits.

Sustainable Transportation

With 86 million acres of U.S. soybeans harvested annually, the U.S. soybean industry has achieved a short supply chain, which minimizes transportation costs as well as soy's carbon footprint.

Many Applications

U.S. Soy's value goes beyond its status as a key ingredient in food and feed. Did you know U.S. Soy provides renewable alternatives to petroleum and other harmful chemicals that may be found in plastics, adhesives and more? For example, companies in the following categories can meet sustainability goals by embracing U.S. Soy:

Art

Parents looking for non-toxic children's art supplies might appreciate crayons made from soybean oil, a natural and renewable alternative to traditional paraffin-based crayons.

Apparel

Faux leather made from soy offers enhanced durability and UV-resistant properties that make it an increasingly popular material in handbags.

Home Goods

- Soy polymer can be used to produce mattresses, couch cushions, and more. Memory foam made with soy polymer dissipates heat 25 percent faster than conventional gel-infused technology.
- Rugs backed with soy polymer have a longer lifecycle through repeat cleanings.

Sports

- Soy-based rubber technology is used to make sneakers with improved traction and durability.
- Soy turf is used to build lower maintenance, cost-effective sports playing fields that help conserve water.

Cosmetics and Personal Care

- Shampoos containing soy protein can help make hair less susceptible to breakage.
- Topical application of soy has been proven to reduce hyperpigmentation, improve skin's elasticity, and help control oil production, making soy a great option for enhancing skincare products.

Transportation

Soy-based tires demonstrate superior traction in rain and snow than tires made from traditional materials.

The Promise

U.S. Soy farmers' ongoing commitment to sustainability enables you to manufacture products to support a healthy society, even as we preserve the planet for future generations.

By 2025, U.S. Soy farmers aim to:

- Reduce land use impact by **10%**
- Increase energy use efficiency by **10%**
- Reduce soil erosion an additional **25%**
- Reduce total greenhouse gas emissions by **10%**

Learn more about U.S. Soy's sustainability actions and see how soy can enable your commercial and sustainability goals at ussoy.org/sustainability.