



How Many Raw Materials Are Used to Make USDA Certified Biobased Products?

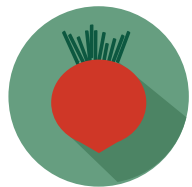


From acacia and aloe to witch hazel and yams, there are more than 500 different types of raw materials across 6000+ USDA Certified Biobased Products.

Common materials include corn, sugarcane, soybeans, wheat, and rice. Many biobased products do not use the same agriculture products intended for food, but rather other parts of the plant that remain after harvesting, like stalks, straw, husks, and chaff.

Wheat is a prime example of how an entire plant can benefit people and the planet. In addition to the grain being a key ingredient in breads, cereals, and flour, the fibrous parts of the wheat plant are used to make disposable biobased food containers to replace plastic ones. You'll also find wheat in toothbrush handles, straws, socks, pillows, paints, cosmetics, and baby lotions.

What's in the biobased products you buy?



Sugar Beets

Sugar beet residue makes a robust, flexible and water-tight bioplastic, ideal for replacing oil-based polyethylene terephthalate (PET) bottles.

Algae is used to make cushiony foams in shoes.

64 products listed in the BioPreferred Program Catalog are made of **seaweed and kelp**: shampoos,



Algae



Seaweed/
Kelp

conditioners, hand soaps, sunscreen, fertilizers, compost tea, paper, toothpaste, and all-purpose cleaners.

Soybean oil is in interior and primer paints, dust removers, bike grease, laundry detergents, and rust removers.

The reengineering of **cotton seeds** to require less water for growing, along with innovations in planting and



Soy



Cotton

harvesting, mean cotton now qualifies as an innovative raw material for biobased products.

Innovators also use **switchgrass, guar, neem seeds, avocado pits, and food processing scraps, like apple and potato peels.**

Even biosolids, compost, and food scraps are being repurposed for good!



Walnut shells, crab shells, and more!

Many powerful industrial products are made from biobased ingredients.

Chevron Havoline® PRO-RS™ Renewable Full Synthetic Motor Oil is a line of products made with 25% sustainably sourced plant-based oils. Chevron's innovative proprietary process develops high-performance synthetic lubricants, utilizing renewable plant-based feedstocks that do not have the impurities found in traditional oils derived from crude petroleum.

Seam Seal™ Longitudinal Asphalt Seam Sealer is a soy-based pavement crack sealant that's 83% biobased and designed to prevent moisture penetration into pavement seams.

What are the products that you buy made of? Find biobased options in the BioPreferred Program Catalog.

