

ERRC/ARS/USDA Barley Initiative: Converting Barley into Functional Foods, Fuels, and Feeds

High fiber (hulls) fractions for Cellulosic Ethanol and for Production of Hydrogen by gasification

ethanol
Fuel For Clean Air

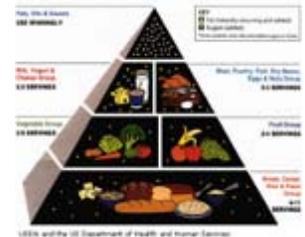


High starch fractions for fermentation, and Fuel Ethanol Production



Use of barley, for ethanol production Brings More Revenue to Growers

Low starch fractions (high-protein, high-oil, high-β-glucan) for obesity-fighting, Healthy Food Ingredients



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BENEFITS OF USING BARLEY FOR FUEL ETHANOL



- Would Allow Production of Feedstock for **1 Billion Gallons** of Fuel Ethanol Outside the Corn Belt
- Benefits Growers in ~20 States Outside the Corn Belt
- Eliminate Cost for Transport of Midwest Corn to Ethanol Plants in those Regions
- Eases Demand on Corn Supply Nationwide
- **More Grain on the Same Land:** Use of Winter Barley in Allows 3 Crops in 2 Years in Barley, Soybean, Corn Rotation
- Improves Environment: Winter Barley as Cover Crop Prevents Loss of Soil Nutrients into Watersheds