

# WOODY BIOFUELS INITIATIVE IN THE PACIFIC NORTHWEST

As part of a national effort, the USDA National Institute of Food and Agriculture (NIFA) awarded two \$40 million grants in fall 2011 to develop a sustainable wood to bioproducts and biofuels industry in the Pacific Northwest. These awards created two organizations — NARA (Northwest Advanced Renewables Alliance) and AHB (Advanced Hardwood Biofuels Northwest); both are collaborations between universities, government and industry.

## PURPOSE

- To develop a foundation for a biofuels and biochemicals industry based on woody feedstock
- To provide drop-in infrastructure compatible fuels to meet the renewable fuels standard
- To ensure the industry is environmentally and economically sustainable
- To promote biofuels literacy and help prepare an emerging work force
- To involve extensive outreach and build community coalitions with empowered stakeholders

## LONG-TERM BENEFITS

- Regional economic development
- Reduced fossil fuel dependence
- Climate change mitigation
- Enhanced soil and water conservation
- Enhanced forest stewardship with reduced fire risk

Northwest Advanced Renewables Alliance

[nararenewables.org](http://nararenewables.org)



### PRIMARY FEEDSTOCK

Softwood - Forest Harvest Residuals

### LEAD INSTITUTION

Washington State University

### PRODUCTS

Jet Fuel and Lignin Based Co-products



[hardwoodbiofuels.org](http://hardwoodbiofuels.org)

### PRIMARY FEEDSTOCK

Hardwood-Hybrid Poplar Crop

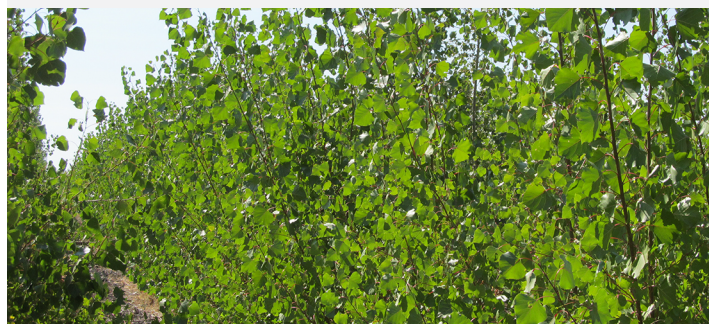
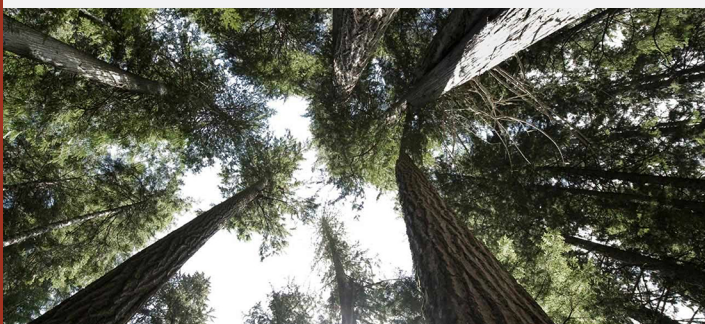
### LEAD INSTITUTION

University of Washington

### PRODUCTS

Jet Fuel, Gasoline, Diesel, and Bioproducts

Advanced Hardwood Biofuels Northwest



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