



### Progress Toward a Poplar-Based PNW Bioeconomy

Advanced Hardwood Biofuels Northwest (AHB) is a USDA National Institute of Food and Agriculture funded research project that is investigating the development of a regional biofuel and bio-based chemical industry from locally grown hybrid poplar trees. This industry would create economic opportunities in rural communities, reduce foreign oil dependence, reduce greenhouse gas emissions, and provide environmental benefits such as improved water quality and wildlife habitat. To support the development of a Pacific Northwest bioeconomy, we have:



Demonstrated the production and sustainability of poplar energy crops at four sites in the PNW.

Assessed the potential of a poplar bioeconomy using models that integrated economic and environmental impacts.



Created bioenergy literacy programming and materials for students, teachers, policy makers, and the general public.



Provided students with the skills and knowledge necessary to operate new technologies and find jobs!



Converted poplar biomass to cellulosic ethanol and acetic acid at a commercial-scale facility.



Built new partnerships to explore environmental benefits resulting from poplar production!