



Northern Research Station

Rooted in Research

Webinar Series

Part 1: February 2 / Part 2: February 10 / Part 3: February 15

The Mixedwooders: Answering Fundamental Questions About Mixedwoods Forests in the East

More than one-quarter of forests in the northern United States are characterized as mixedwoods. These temperate mixedwood forests spread across nearly 47 million acres, from North Dakota to Maine and Kansas to Maryland. Yet despite their prevalence, there is much to be learned about temperate mixedwood forests.

Join us for a special 3-part series to learn more on mixedwood forest ecology, health, and management approaches to sustain these iconic forests.



The Mixedwooders meet at a research site in southern Quebec to examine the effects of different methods for regenerating balsam fir-yellow birch stands. USDA Forest Service Photo by: John Kabrick

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Part 1: Mixedwood forests and compositional stability

February 2, 2022 11 AM Eastern / 10 AM Central

This webinar will present the ecological underpinnings to hardwood-softwood mixtures or mixedwood forests. These concepts provide foundations for building management and conservation strategies for restoring and maintaining mixedwood forests. *By: Christel Kern*

Part 2: Insect infestations, prescribed burning, and the functioning of oak-pine mixedwood forests in the Mid-Atlantic Region

February 10, 2022 1 PM Eastern / 12 PM Central

This webinar will present information on how forests consisting of oak and pine mixtures are more resistant to invasive insect damage and maintain continuity in ecosystem functioning following infestations compared to stands dominated by a single genus. We also discuss how recovery processes and the use of prescribed fire following infestations result in the persistence of mixedwood stands. *By: Kenneth L. Clark, Michael Gallagher, David MacLean and John Kabrick*

Part 3: The science and art of managing for complex, multi-species temperate mixedwood forests

February 15, 2022 11 AM Eastern / 10 AM Central

Temperate forests with mixedwood compositions are common across central and eastern North America and provide a variety of ecosystem services and commodity-production benefits. Despite their abundance, silviculture in mixedwood stands is often challenged by problems with regeneration or recruitment of desired softwoods and different growth rates and longevities of component species. Here, we describe commonalities among temperate mixedwoods in central and eastern North America and present a framework for managing them.

By: Laura Kenefic and John Kabrick