U.S. DEPARTMENT OF AGRICULTURE • FOREST SERVICE
FOREST PRODUCTS LABORATORY • MADISON, WIS.
In cooperation with the University of Wisconsin

U. S. D. A. FOREST SERVICE
RESEARCH NOTE
FPL-0180 (REVISED)
AUGUST 1968

A LITERATURE SURVEY OF POPULUS SPECIES WITH EMPHASIS ON P. TREMULOIDES

Abstract

This revised bibliography reflects the amount of interest in the Populus species shown by the large number of publications issued on the subject, particularly in the last two years. References are grouped under broad subject matter headings and arranged alphabetically by author within each group to facilitate use.

A LITERATURE SURVEY OF *POPULUS* SPECIES WITH EMPHASIS ON *P. TREMULOIDES*

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Before 1940, *Populus* species in the United States were generally considered weed trees. They were seldom utilized, and very little was known about their properties or suitability as a raw material for forest products. This situation has changed dramatically.

Large acreages in the Lake States became heavily populated with aspen prior to 1930 as a result of clear-cutting of the original stands of white pine and subsequent severe and repeated fires that burned over the area. In the early 1930's State and Federal agencies improved and expanded their fire detection and suppression systems, which permitted aspen to grow unmolested in vast areas. By the early 1940's, some of the older aspen stands were reaching merchantable size and timber owners and managers began to search for potential markets.

Research organizations and industry launched a concerted effort to determine the potential of aspen as a forest products raw material. As one result, a series of 21 papers, which became known as the "Aspen Series," was prepared and published by the Forest Service. The papers covered a wide range of subject matter, including known uses of aspen, physical properties, processing (sawing, veneering, and pulping), lumber grade yield recoveries, and silviculture treatments of aspen stands.

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[1] Maintained at Madison, Wis., in cooperation with the University of Wisconsin.

During the 22 years since publication of the "Aspen Series," uses of the species have changed and greatly expanded. Many people in the United States have been working with aspen, and other countries have been active in finding new uses and promoting the Populus species.

The Forest Products Laboratory receives many requests for information on aspen utilization and related matters. This revised bibliography has been prepared to bring together literature references dealing with the Populus species as a useful and ready source of information. No attempt was made to include material issued before 1940.

The references are arranged alphabetically by author within broad subject matter headings to facilitate use of the bibliography. The subject headings and their locations in the bibliography are:

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