

NOTICE OF RELEASE OF 'AFFINITY' NORTHERN WHITE CEDAR
FOR CONSERVATION PLANTINGS

By

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
ECOLOGICAL SCIENCES
Washington, D.C.

And

JASPER - PULASKI STATE NURSERY
INDIANA DEPARTMENT OF NATURAL RESOURCES
Medaryville, Indiana

The United States Department of Agriculture, Soil Conservation Service and the Jasper-Pulaski State Nursery of the Indiana Department of Natural Resources announce the release of 'Affinity' Northern white cedar, *Thuja occidentalis* L.

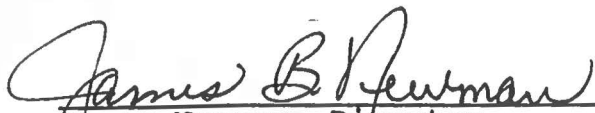
'Affinity' Northern white cedar is an intermediate tree, growing to 25 meters in height, with a narrow pyramidal to oblong crown and a long tapering bole supported by a shallow, wide-spreading root system. The leaves are yellow-green and persistent, on leading shoots 0.6 centimeters long, glandular, and long-pointed, and on lateral branches scale-like and flattened, 0.3 centimeters long, obscurely glandular pitted, with the foliage sprays often fanlike. Cones are from 0.3 to 1.3 centimeters in length, erect and oblong. Seeds are released in fall, but the cones often persist through winter. Bark is from 0.3 to 1.3 centimeters thick, reddish to grayish brown and fibrous.

'Affinity' is a multiple use plant intended for use in field and farmstead windbreaks and as a screen or border planting in recreational and urban development. 'Affinity' shows promise for use as a windbreak on organic soils. In much of its range, Northern white cedar is an important source of winter browse. In all, 84 wildlife species (47 birds, 34 mammals, and 3 herpitiles) were identified as using the various developmental stages of the Northern white cedar community.

'Affinity' Northern white cedar is a relatively fast-growing compact, upright tree with good seeding vigor. It was collected at the Jasper-Pulaski State Nursery in Medaryville, Indiana. 'Affinity' has been evaluated at the Rose Lake Plant Material Center and in extensive field plantings throughout the Great Lakes Region. Northern white cedar is a native species and is widespread throughout this region.

Performance has been very good and indicates that 'Affinity' should be adapted throughout the Great Lakes Region in plant hardiness zones 3, 4, and 5. Northern white cedar grows naturally in wet sites and on poorly drained soils but is also adapted to well-drained sandy loams.

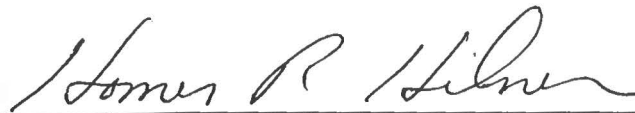
'Affinity' is released as an open-pollinated seed propagated cultivar. Approximately 184,000 to 567,000 seeds are produced per pound. A seed orchard for 'Affinity' is established at the USDA Soil Conservation Service Rose Lake Plant Materials Center in East Lansing, Michigan. Seed and foundation 2-0 nursery stock will be maintained as 'breeders' material for distribution to public and commercial nurserymen.



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8-23-93

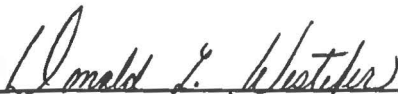
Date



Homer R. Hilner, State Conservationist
USDA Soil Conservation Service
East Lansing, Michigan

8-4-93

Date



Donald Westefer, Director
Jasper-Pulaski State Nursery
Indiana Department of Natural Resources
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9/13/93

Date



Robert L. Eddleman, State Conservationist
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8-15-93

Date



Earl Cosby, State Conservationist
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Madison, Wisconsin

8/31/93

Date

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