

Notice of Release of
(Spike) Hybrid Poplar (Populus deltoides x Populus nigra)
For Conservation Plantings
By
United States Department of Agriculture
Natural Resources Conservation Service
Ecological Science Division
Washington, DC
and
Institute of Forestry and Nature Research
Wageningen, Netherlands
and
Ontario Ministry of Natural Resources
Brockville Ontario, Canada
and
New York College of Environmental Science and Forestry
Syracuse, NY

The US Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS), the Institute of Forestry and Nature Research, the New York College of Environmental Science and Forestry and the Ontario Ministry of Natural Resources announce the release of (Spike) hybrid poplar, Populus deltoides Bartr. ex Marsh x Populus nigra L. (Spike) was selected at the Natural Resources Conservation Service, Plant Materials Center, Big Flats, New York.

(Spike), 9051487, is a male clone of a hybrid derived from a cross between Populus deltoides S4-231 from a U.S provenance test grown in Belgium and a Populus nigra native to Rynsteeg, Netherlands. The hybrid was selected by the Institute of Forestry and Nature Research, for resistance to canker and sufficient resistance to Marssonina leaf spot and Melampsora rust. (Spike) was selected from a 42 clone collection obtained from the College of Environmental Science and Forestry, Syracuse, NY. For biomass, standability, and canker resistance.

(Spike) hybrid poplar is derived from Populus deltoides, a native poplar which grows to a height of up to 100 feet. It is hardy to zone 2a (-35⁰F to -50⁰F) with a range from Quebec to North Dakota, Kansas, Texas and Florida. Populus nigra is a native of Europe which has been naturalized in the U.S since 1784. It is also hardy to zone 2a and grows to a height of up to 100 feet. (Spike) hybrid poplar has grown to a height of 64 feet with a 9 inch (DBH) diameter at breast height in 7 years at the Big Flats PMC. Due to being a male clone it will not spread by seed.

The principal use for Spike hybrid poplar would be for biomass and fuel wood production. It will also form an effective screen with an attractive form and can be used as a windbreak in conjunction with wind proof species.

Foundation cutting stock will be maintained by the Natural Resources Conservation Service, Big Flats, Plant Materials Center, Box 360A, RD#1, Rt. 352, Corning New York 14830.

Rooted cuttings are available to commercial and state nurseries for the purpose of establishing cutting blocks.

Propagation procedures will be provided to those receiving plants.

Approvals for Notice of Release of (Spike) Hybrid Poplar

Director of Ecological Sciences and
Technology Division
United States Department of Agriculture
Natural Resources Conservation Service
Washington, DC

Date

State Conservationist
United States Department of Agriculture
Natural Resources Conservation Service
Syracuse, New York

Date

Associate Dean for Research
Institute of Forestry and Nature Research
Wageningen, Netherlands

Date

Associate Dean for Research
Ontario Ministry of Natural Resources
Brockville, Ontario, Canada

Date

Associate Dean for Research
New York State
College of Environmental Science and Forestry
Syracuse, New York

Date