

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
EAST LANSING, MICHIGAN

and

INDIANA DEPARTMENT OF NATURAL RESOURCES, DIVISION OF FISH AND WILDLIFE
INDIANAPOLIS, INDIANA

NOTICE OF RELEASE OF PRAIRIE VIEW INDIANA GERMPLASM INDIANGRASS
SELECTED CLASS OF NATURAL GERMPLASM

The U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) and the Indiana Department of Natural Resources (INDNR) Division of Fish and Wildlife announce the release of a selected ecotype of indiangrass (*Sorghastrum nutans* (L.) Nash) for the Midwest and Great Lakes region.

As a selected release, this plant will be referred to as Prairie View Indiana Germplasm indiangrass. It is a composite release that has been assigned the NRCS accession 9086566.

This selected release is justified because sources and supplies of Indiana ecotype indiangrass are very limited and unable to meet the demand for this product. Propagation material of this ecotype is needed for ecosystem restoration and enhancement. The potential for immediate use is extremely high.

Collection Site Information: Seed was collected from native stands (as designated by the Indiana Department of Natural Resources, Wildlife Division) of indiangrass within the State of Indiana. Seeds from 26 populations were collected from five counties in Indiana during 1993. Seeds from those populations were combined and planted into a single crossing block in 1994. Seeds from that crossing block are the source seed for this release.

Ecotype Description: Prairie View Indiana Germplasm indiangrass is a composite of 26 indiangrass collections and has features consistent with the species. It is a perennial, warm season bunch grass with short rhizomes and erect stems that reach a height of 6- to 8- ft at maturity. Leaf blades are rolled in the bud shoot. Sheaths are round, open and may be hairy at the base. The prominent, membranous, clawlike ligules resemble a rifle sight. Indiangrass has a narrow plumelike seedhead that turns golden at maturity.

Ecological Considerations and Evaluations: Prairie View Indiana Germplasm indiangrass is native Indiana plant material that has undergone no purposeful selection therefore should not differ in rate of spread, seed production, vigor nor behavior from naturally occurring indiangrass in this area. Prairie View Indiana Germplasm was determined "OK to release" when evaluated through the "Environmental Evaluation of NRCS Plant Releases" worksheet. Seeds from the source field were planted in nine field plantings in central Indiana. Those field plantings were evaluated for adaptability, potential for invasiveness, and usefulness in conservation plantings.

Anticipated Conservation Use: The anticipated uses of Prairie View Indiana Germplasm include providing food/cover for wildlife, increasing species diversity, controlling erosion and restoring native plant environments.

Indiangrass attracts insects and provides seed that are used as food sources by songbirds, gamebirds and small mammals. Many wildlife species also utilize indiangrass for nesting, escape and winter cover. As this is a native plant species and composite it will be useful as a component in the restoration and diversification of native habitats. Because of indiangrass's large root system it may also be useful in combination with other native warm and cool season grasses for erosion control.

Anticipated Area of Adaptation: This species is found in dry to moist open areas throughout much of the United States, and a major component of tall and mixed grass prairies. Prairie View Indiana Germplasm's known area of adaptation is the State of Indiana. Further testing will be conducted to determine the extent of adaptation across the northern United States. Use of this release outside the known area of adaptation should only be done following field testing in the proposed use area.

Availability of Plant Materials: Seed stock of Prairie View Indiana Germplasm indiangrass will be maintained cooperatively by the USDA NRCS Rose Lake Plant Materials Center and the Indiana Department of Natural Resources, and made available to qualified parties for increase purposes. To request seed or further information contact:

USDA NRCS

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References:

Gleason H. and A. Conquist. 1991. *Manual of Vascular Plants of Northeastern United States and Adjacent Canada*. 2nd Edition. Bronx, New York: The New York Botanical Garden. 910 pp.

Prepared by:

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Signatures for release of:

Prairie View Indiana Germplasm indiangrass (*Sorghastrum nutans* (L) Nash)

Jane Hardisty, State Conservationist
United States Department of Agriculture
Natural Resources Conservation Service
Indianapolis, IN

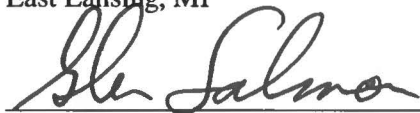
Date



John A. Bricker, State Conservationist
United States Department of Agriculture
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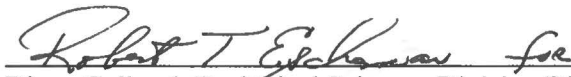
Date



Glen Salmon, Director
Division of Fish and Wildlife
Indiana Department of Natural Resources
Indianapolis, IN

4/12/05

Date



Diane Gelburd, Ecological Sciences Division Director
United States Department of Agriculture
Natural Resources Conservation Service
Washington, D.C.

4/21/05

Date

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