



PARTNERSHIPS

The Rose Lake Plant Materials Center partners with other federal, state, and local agencies, tribes and private entities to achieve its missions and goals. The Rose Lake Plant Materials Center is always looking to create new partnerships while strengthening its many existing partnerships.

PLANT MATERIAL AVAILABLE FOR COMMERCIAL PRODUCTION

- 'Indigo' silky dogwood
- 'Lancer' perennial pea
- 'Magenta' hybrid crabapple
- 'Roselow' sargent crabapple
- 'Imperial' Carolina poplar
- 'Affinity' northern white cedar
- Leelanau Germplasm highbush cranberry
- Southlow Michigan Germplasm little bluestem
- Southlow Michigan Germplasm big bluestem
- Southlow Michigan Germplasm indiagrass
- Southlow Michigan Germplasm switchgrass

To obtain information on conservation uses for these varieties, contact your local NRCS office. To obtain seed or plants contact a commercial seed vendor or nursery in your area or call your NRCS for local vendors.

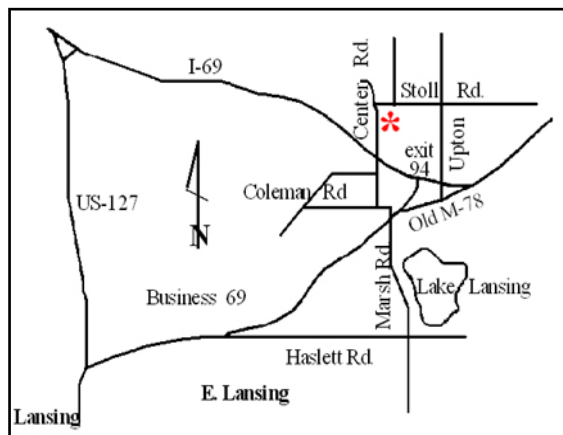
OUR WEBSITE

Visit our Plant Materials Internet site at: <http://Plant-Materials.nrcs.usda.gov> to find more information on solving conservation problems using plants.

CONTACT INFORMATION

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Plant Materials Specialist
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VISITING THE PMC

Visitors are welcome at the Rose Lake Plant Materials Center. The center is open Monday-Friday 8:00AM - 4:30PM. Please call the PMC to ensure that someone will be available.

Rose Lake PMC is located on the northeast side of East Lansing, MI. Take I-69 exit # 94 East Lansing; turn east on Old M78, North on Upton Rd. and West on Stoll Rd. The PMC is approximately 1 mile east on Stoll Rd.

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Rose Lake Plant Materials Center East Lansing, MI



Serving Illinois, Indiana, Michigan, Ohio, Wisconsin, Minnesota, Pennsylvania, and New York

WHAT WE DO...

The Rose Lake Plant Materials Center (PMC) is one of a national network of plant centers dedicated to providing vegetative solutions to conservation problems. The center is located in East Lansing, MI. The center consists of 40 acres owned by Michigan Department of Natural Resources and operated by the U.S. Department of Agriculture under a partnership agreement with the Natural Resources Conservation Service (NCRS).

Vision and Purpose – The purpose of Rose Lake PMC is to administer an innovative program, integrated within the Natural Resources Conservation Service operation, that is responsive and flexible, addressing traditional and non-traditional customer needs and resource concerns. The center has been in operation since 1958 with facility upgrades in 1990. Greenhouse additions were made in 2000. The center is equipped for the collection, testing and release of well adapted, desirable plants that contribute to the National NRCS effort to help people to conserve, improve and sustain our natural resources and the environment.

PRIMARY FOCUS- The primary focus of the Rose Lake PMC is:

- Increasing the availability of native species
- Management and monitoring of invasive species
- Outreach to traditionally underserved customers
- Protecting, creating and restoring wetlands, riparian areas, buffers and streambanks
- Innovative conservation technologies
- Brush layer boxes and vegetative barriers
- Training and information development
- Waste and nutrient management
- The selection of Big bluestem for forage production.



Harvesting Southlow Michigan
Germplasm switchgrass



Big bluestem forage study

DEVELOPING PLANT MATERIAL RELEASES

When conservation problems are identified, the PMC searches for the best plants or plant technologies to solve the problem. The process of selecting plant materials involves the following consecutive stage:

- Assembly of plant materials
- Assembly of plant materials in initial evaluation at PMC
- Initial seed and plant increase
- Advanced evaluations in comparison with standards at PMC or off-center
- Field-scale seed and plant increase
- Final testing in field plantings, in comparison with standards in conservation districts
- Name and release of new cultivars with experiment station and other agencies
- Production of foundation seed
- Commercial production of released material
- New plant release available for use
- Market new plant release

DEVELOPING PLANT TECHNOLOGY

- Assembly of plants and supplies
- Assemble materials in initial evaluation

- Advanced evaluation in comparison with standards
- Final testing in field standards, in comparison with standards
- Selection of most desirable techniques
- Develop technology transfer products
- Distribution of final product
- Transfer and market technology product

TYPES OF PLANTINGS

Field Plantings: This final stage of technology development or plant selection is used to develop new methods of technology and evaluate the adaptability of new releases. A statistical analysis is completed on collected data.

Educational Plantings: These plantings are designed to introduce the establishment and uses of new or potential releases to the public. Educational plantings show one or more conservation practice uses for the plant materials, possibly in comparison to a standard know cultivar. These plantings may be established on or off-center.

Demonstration Plantings: These plantings are used primarily to promote the use and acceptance of new technology or releases. In demonstration plantings, no evaluations are done and no data is collected.

Off-center Evaluations: These plantings are used by the PMC to evaluate plant releases or technology off the center. A statistical analysis is completed on collected data.

Conservation Field Trials: These plantings are for evaluating new technology, species or plant releases that address local soil and water resource problems. This helps to develop new technology, evaluate releases, and promote plant material products. A statistical analysis is completed on collected data.

Performance Trials: These plantings are designed to test a potential plant release for reliability in a particular conservation application. It may require multiple plantings and/or off-center site plantings. Standards for comparison are to be included if available.

