Forest Service Research, State & Private Forestry, and Natural Resources Conservation Service

NAC: Authorized in 1990 Farm Bill, established 1992 in Lincoln, NE

Mission: Accelerate the development and application of agroforestry technologies to attain more economically, environmentally and socially sustainable land use systems.
PROGRAM MANAGER (FS)

TT&A: 2 Lead Agroforesters (FS & NRCS)
  2 TT&A specialists
R&D: 3.75 PFT Scientists (FS)
  1 GIS Specialist, 1 Technician
Admin: 2 Admin Professionals

The USDA National Agroforestry Center accomplishes its mission by working……

……through a nationwide network/partnership of R&D and TT groups (e.g., universities, state & federal agencies, ngos and innovative landowners).
USDA FS/NRCS National Agroforestry Center

**Research & Development**

**Information Gaps**

**Technology Transfer & Applications**

**PARTNERSHIPS**

**SYNTHESIS from Existing**

**Cooperative Agreements**
Technology Transfer & Applications Program (S&PF and NRCS)

Develops and delivers technology on a broad suite of agroforestry practices to natural resource professionals.
Partnership with SARE
USDA Sustainable Agriculture Research and Education

1999-2003: NAC has partnered with the SARE program to fund agroforestry projects in the SARE Producer Grant Program.

- **Missouri** - Increasing farm production thru agroforestry
- **Washington** – Tilth-agroforestry niche demo project
- **Puerto Rico** – Agroforestry practices on family farms
- **Connecticut** – Increasing farm profits with American chestnuts
- **West Virginia** - Medicinal herb cultivation, mushroom production, & forest restoration

~ 75 projects funded
Tree-Based Buffers (Lincoln, NE)

Performance & Placement of Riparian Buffers (Dosskey)

- Roles of riparian forest buffers in WQ improvement & protection
- ‘Precision Ag’ for conservation, Riparian Width Tool
- **New quantitative tools & technologies for locating & designing effective riparian buffers for WQ improvement in ag landscapes.**
  (Iowa State University, University of Nebraska, University of Kentucky, New Jersey Institute of Technology)
Tree-Based Buffers (Lincoln, NE)

Comprehensive Conservation Planning (Bentrup)
- Tools to facilitate site-landscape-regional natural planning
- CanVis, Conservation Buffers Guide
- Equipping Natural Resource Professionals for Multi-Objective/Multi-functional Practice & Landscape Design and Planning (Iowa State University)

Special Forest Products (Chamberlain) (Blacksburg, VA)
- Sustainable management of special forest products
- NTFP I&E: botany, ecology, uses, market trends, cultivation & conservation
- Improving production of native medicinal plants and other NTFPs through a forest farming network and Landcare (Virginia Tech, Grayson County Landcare, UGA)
Visual Simulations

CanVis~

Field Buffers
New Windbreaks
Filter Strip
Restored Riparian Zone

After