



How is USDA Research Working for Tennessee?

In FY 2012, Tennessee received:

- **\$1.1 million** from the Agriculture Research Service (ARS)
- **\$1.4 million** from the Agriculture and Food Research Initiative (AFRI)

Agriculture Research Investments in Tennessee

- **The University of Tennessee** has 3 AFRI grants worth over **\$700,000**

P. capsici is a devastating plant pathogen that infects pepper, tomato, cucumber, squash, pumpkin, and snap beans. **The University of Tennessee** receives AFRI funding to identify the genes that control *P. capsici* infection in order to breed pathogen-resistant plant lines.

Researchers at **Vanderbilt University** are using AFRI funding to study the proteins that control photosynthesis in plants in order to obtain greater efficiency in solar energy conversion.

Small Business Benefits in Tennessee

- Tennessee small businesses received **\$10,000** through the Small Business Innovation Research and Small Business Technology Transfer programs within USDA

In Nashville, **Stony Creek Colors**, received an SBIR grant to optimize and standardize the color extraction process from raw plant material, such as indigo and black walnut, for use as textile dyes.

Agriculture Value in Tennessee

- Tennessee has **76,000 farms** that account for **\$3.8 billion in total commodities**, **\$1.6 billion in agricultural exports** and more than **153,000 jobs**
- U.S. public investments in agriculture research and development **produce benefit-cost ratios of 20:1 and higher**

