

Lori Hinze

Texas Tech seminar information

TITLE

USDA-ARS National Plant Germplasm System (NPGS) – how you can leverage national germplasm collections in your research program

ABSTRACT

The National Plant Germplasm System (NPGS) is among the largest, most comprehensive collections of plant genetic resources in the world. It provides a valuable foundation for agricultural advancement while safeguarding food security and driving on-farm profitability. To meet these objectives, the NPGS maintains, characterizes, evaluates, documents, enhances, and distributes plant genetic resources and associated information. Over 16,000 plant species are represented in collections across ~30 locations in the United States. In this seminar, I will focus on the U.S. National Cotton Germplasm Collection and present examples of how resources from germplasm collections have been applied in breeding and genetics efforts.

BRIEF BIOGRAPHY

Dr. Lori Hinze is a Research Geneticist with the U.S. Department of Agriculture-Agricultural Research Service (USDA-ARS) in College Station, TX. For the past 20 years, she has conducted research in association with the U.S. National Cotton Germplasm Collection and works to characterize, evaluate, and enhance cotton genetic resources and associated information. Her goal is to help users better understand these resources and how they provide a valuable foundation for agricultural innovation.