



ONLINE **2022** DOE SUMMIT

Dr. Randall Niedz

Research Geneticist, USDA Agricultural Research Service, U.S. Horticultural Research Laboratory



Randall Niedz is a Research Geneticist with the United States Department of Agriculture and works at the U. S. Horticultural Research Laboratory, Ft Pierce, Florida, in citrus variety development utilizing classical and molecular genetics, and genomics. Dr. Niedz received his BS in Plant Breeding from The Pennsylvania State University, an MS in Plant Breeding from Michigan State University, and his PhD in Plant Breeding and Genetics from Michigan State University. Dr. Niedz's research expertise is in vitro plant cell tissue, and organ culture systems for plant breeding and genetic applications. Dr. Niedz collaborates and publishes with scientists around the world. He is an Academic Editor for the journal PLoS ONE, an Associate Editor for the In Vitro Society's journal, In Vitro Cellular and Developmental Biology – Plant, and serves as a reviewer for many of the plant science journals. Dr. Niedz's current research is the development of conceptual and statistical experimental design approaches for complex biological systems including how to treat mineral nutrient ions as independent statistical factors in in vitro systems, and high-throughput screening approaches to identify treatments to effectively manage citrus greening disease, huanglongbing.