

AGRONOMY SEMINAR SERIES

FALL 2025

MONDAY, OCTOBER 6, 2025

2:30 P.M.

LILY 2-425

Attend virtually via Zoom

Seminar links will be posted at: purdue.ag/agryseminars



Mike Castellano is Professor of Agronomy and William T. Frankenberg Professor of Soil Science at Iowa State University where he founded and leads the Iowa Nitrogen Initiative. His research uses a systems approach to better understand and manage nutrients, carbon, water, and energy. He works with a variety of stakeholders to improve the productivity, profitability, and environmental performance of agriculture. Results of this work are regularly used by policy makers: Mike has testified before the US Senate and the Iowa Legislature, and he currently serves as the US representative to the United Nation's Intergovernmental Technical Panel on Soils.

DR. MICHAEL CASTELLANO

PROFESSOR OF AGRONOMY

AND

WILLIAM T. FRANKENBERGER PROFESSOR OF SOIL SCIENCE

IOWA STATE UNIVERSITY

"The Iowa Nitrogen Initiative: Integrating research, extension, and education for the benefit of all"

The Iowa Nitrogen Initiative is a private-public partnership with a vision to provide Iowans with the best nitrogen science in the world for the benefit of productivity, profitability, and environmental performance. We partner with agricultural service providers, farmers, and their advisors to use the latest advances in precision agriculture technologies to execute hundreds of on-farm, scientifically robust nitrogen fertilizer rate trials every year. The scale of these trials allows us to use the latest advances in data sciences and process modeling to understand how interactions among genetics, environment, and management affect cropping system performance, helping farmers to maximize efficiency of their dynamic operations. In February 2025, we released the N-FACT decision support system to help stakeholders better understand and manage nitrogen fertilizer.



Agronomy