

agInnovation North Central

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Dr. Kaiyu Guan is the Levenick ACES Professor, Blue Waters Professor for supercomputing, and the Founding Director of Agroecosystem Sustainability Center at the University of Illinois Urbana-Champaign (UIUC). Dr. Guan is also the Chief Scientist for the NASA Acres Program. He got his PhD at Princeton University and was a postdoc fellow at Stanford University before he joined UIUC in 2016. His research group uses computational models, satellite data, field work, and Artificial Intelligence to address how climate and human practices affect crop productivity, water resource availability, and ecosystem functioning. Guan's group aims to increase our society's resilience and adaptability to maintain sustainability of ecosystem services, food security and water resources. Guan has published 180+ papers in leading scientific journals. Guan leads multiple major federal grants from NASA, NSF, DOE, and USDA. Guan is the awardee of AGU James Macelwane Medal, AGU fellow, NSF CAREER Award, NASA New Investigator Award, AGU Early Career Award in Global Environmental Change, and FoodShot Global GroundBreaker Prize.