



Freddie Ray Lamm

Freddie Ray Lamm, PE, ASABE Fellow, is the 2021 recipient of the Heermann Sprinkler Irrigation award for outstanding and sustained research, technology transfer, and service to the public and the scientific community concerning sprinkler irrigation.

Lamm is a professor and research irrigation engineer at the Northwest Research Extension Center at Kansas State University in Colby. In this capacity, Lamm researches irrigation management and irrigation systems for crop production in the United States Central Great Plains. Lamm's career is punctuated by his belief that service to his scientific community is an integral part of his life as a cooperating scientist.

Lamm's sprinkler research and technology transfer efforts focused on developing and promoting ways to better utilize low elevation in-canopy sprinklers for corn production. His work compared sprinkler nozzle heights and spacing within the corn canopy, different types of nozzles, fixed spray and spinning spray nozzles, effects of corn plant spacing, stemflow, throughfall, and interception storage. Lamm has also conducted other important center pivot sprinkler research concentrated on tillage irrigation and tillage management for corn production, economics of various types of irrigation systems, and sprinkler irrigation capacity.

Lamm is impressive collaborator, recently working with researchers from Texas A&M University,

and the USDA-ARS on a Center Pivot Technology Transfer Effort (CPTT) resulting in an ASABE Special Collection consisting of 11 journal articles. The CPTT also sponsored a brainstorming retreat involving a total of 39 individuals from around the United States and center pivot-focused field days in Texas and Kansas.

A 42-year member of ASABE, Lamm has served as a member on a number of ASABE Natural Resources and Environmental Systems committees including leading the Irrigation Group, and the Nomenclature committee. Lamm has also served as an associate editor since 2005 for two ASABE journals and as an advisory editor for *Irrigation Science* since 2007.

Lamm is author or coauthor of nearly 400 peer-reviewed articles, popular press and other publications. He also authored 2 book chapters and edited one book. Lamm's work has received numerous accolades including the ASABE Netafim Award for Advancements in Microirrigation, the 2012 Irrigation Association Person of the Year, and a National Excellence in Multistate Research award for NIFA project *Microirrigation for Sustainable Water Use*. Lamm was inducted as an ASABE Fellow in 2015.

