



Kevin W. King

Kevin W. King, ASABE Fellow, is the recipient of the 2023 ADS/Hancor Soil and Water Engineering award for distinguished research in advancing the science and management of water quality in tile-drained landscapes.

King is a supervisory agricultural engineer and research leader with the USDA-ARS Soil Drainage Research Unit. In this role, he provides technical leadership and supervision, manages fiscal and physical resources, and ensures proper reporting of research results. He also provides leadership to an interdisciplinary team of engineers and scientists studying the complex, natural resource interactions of implementing standard and novel conservation practices and their impact on soil and water quality. As agricultural engineer, he has immediate responsibility for the hydrologic and water quality aspects of the interdisciplinary research including development, design, and selection of conservation management practices to be tested; identifying and securing field and watershed test sites; developing data collection procedures, methods, and technologies; and modeling approaches.

King is renowned for his achievements in revealing the importance of subsurface tile drainage in hydrology and water quality and developing and testing cost-effective management solutions to protect water resources in tile-drained landscapes. His past research has advanced the understanding of rainfall, runoff, and recharge relationships for the Blackland Prairie region. He developed proce-

dures and protocols for edge-of-field monitoring that led to his invitation by the Natural Resources Conservation Service (NRCS) to provide guidance and oversight in the development of NRCS Water Quality Monitoring Conservation Activity Standards 201 and 202. He also evaluated and enhanced hydrology and water quality simulation technologies including the improvement of macropore flow routines in field and watershed scale water quality models and P-index calculators to more accurately capture tile and drainage dynamics.

A 31-year member of ASABE, King has served on a number of ASABE committees including the Natural Resources and Environmental Systems Drainage and Hydrology Groups, the ADS/Hancor Soil and Water award committee, and the Awards Coordinating committee.

King has authored or coauthored more than 250 publications, including 140 peer-reviewed journal articles, 3 book chapters, 84 conference proceeding papers, 20 popular press articles and 6 other publications. King has won several awards including the USDA-ARS Midwest Area Research Leadership and Center Directorship award, the All Ohio Chapter of Soil and Water Conservation Outstanding Member award, the Outstanding Agricultural Engineering Alumni award from Purdue University, and a number of Soil and Water Conservation Society paper awards. King was inducted as an ASABE Fellow in 2022.