

Jerry L. Hatfield
Laboratory Director
National Soil Tilth Laboratory
2150 Pammel Drive
Ames, Iowa 50011
515-294-5723
hatfield@nstl.gov



Jerry Hatfield received his Ph.D. from Iowa State University in 1975 in the area of Agricultural Climatology and Statistics. He is the Laboratory Director of the USDA-ARS National Soil Tilth Laboratory in Ames, Iowa. He served on the faculty of the University of California-Davis as a biometeorologist from 1975 through 1983 and then joined USDA-Agricultural Research Service in Lubbock, Texas as the Research Leader of the Plant Stress and Water Conservation Research Unit from 1983 through 1989. Dr. Hatfield has been responsible for the development of the scientific program in the Tilth Laboratory and the management of a multi-agency, multi-location environmental quality program to assess the impact of farming practices on water quality. He has developed several watershed scale projects to address concerns about the spatial and temporal impacts of farming practices on environmental quality. His research interests focus on the interaction of water, nutrients, carbon, and light in the response of crops to management systems across varying landscapes and the development of risk management tools for agriculture utilizing remotely sensed data. A portion of his current research efforts is directed toward the integration of remotely sensed information into agricultural management decisions to enhance agricultural production efficiency. He is internationally recognized as one of the leading authorities on the impact of crop and livestock components of agricultural systems on air, water, and soil quality. He is a Fellow of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America and a 1997 recipient of the A.S. Flemming Award for Outstanding Federal Service, an ARS Outstanding Scientist of the Year in 1999, American Society of Agronomy Agronomic Service Award in 1999, Distinguished Service in Agriculture Award from Kansas State University in 2002, and Gamma Sigma Delta Distinguished Alumni Award from Kansas State University in 2005. He is a member of the Board of Directors of the Soil and Water Conservation Society. He was elected as President of the American Society of Agronomy for a term in 2007. He is the author over 325 referred publications and the editor of ten monographs.