**Robert Oliver Evans Jr.; Ph.D., P.E.**

Professor and Former Head

Department of Biological and Agricultural Engineering

North Carolina State University

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**Education**

PhD. Biological and Agricultural Engineering, N.C. State University 1991

M.S. Biological and Agricultural Engineering, N.C. State University 1981

B.S. Biological and Agricultural Engineering, N.C. State University 1976

**Positions Held**

10/07-present **Professor**, Biological and Agricultural Engineering, N.C. State University

10/06-07/14**Professor and Head**, Biological and Agricultural Engineering, N.C. State University.

7/03-10/06**Professor and Department Extension Leader**, Biological and Agricultural Engineering, N.C. State University.

7/98-6/03**Associate Professor and Department Extension Leader**, Biological and Agricultural Engineering, N.C. State University.

10/97-6/98 **Assistant Professor and Department Extension Leader**, Biological and Agricultural Engineering, N.C. State University.

7/92- 9/97 **Assistant Professor**, Biological and Agricultural Engineering, N.C. State University.

10/83- 6/92 **Extension Specialist,** Biological and Agricultural Engineering, N.C. State University. 60 % extension and 40 % research.

9/78-10/83 **Graduate Teaching Assistant**, Biological and Agricultural Engineering, N.C. State University

9/76- 8/78 **Graduate Research Assistant,** Biological and Agricultural Engineering, N.C. State University.

**Professional Certification**

**Registration** - Professional Engineer, North Carolina, Reg. No. 14486.

**Professional Experiences**

Penn State College of Engineering Industry and Professional Advisory Board (2011-2016).

Drainage analysis for Treasure Coast Farms, Vero Beach, FL. (9/02 to 12/02).

Agricultural Water Management Analysis, Black River Farms, Florence, SC (1/02 to 8/02).

           Risk assessment of animal waste management systems, America’s Clean Water Foundation, (7/02 to 12/02).

           National Research Council Study Committee “Evaluation of mitigation practices under the Clean Water Act to achieve national goal of no net loss of wetlands functions” (1999-2001).

Hydrologic analysis of wastewater reuse system for City of Smithfield, NC (9/00 to 12/01).

General Chairman, "Seventh National Drainage Symposium", Orlando, FL, held March, 1998.

Appointed to the N.C. Senate Select Committee on "Coastal river water quality and fish kills" (1995 to present).

Technical Advisor to the Water Quality Section, N.C. Division of Water Quality Team developing BMP mandates for Neuse River Basin (1995 to present).

Technical Advisor, N.C. Irrigation Society (1993 to present).

Instructor, Special Problem: Total Water Management (3-hour graduate credit), (Fall, 1996)

Invited Technical Reviewer, NRCS Technical Standards on Irrigation and Animal Waste

Management (1996).

Water management system design and evaluation, Silvicultural farms owned by Carlton de Venezuela, Zobel Forestry Associates. (2/95 to 3/97)

Invited to provide expert testimony before Governor Hunt's Blue Ribbon Commission on Animal Waste (12/95)

Co-instructor, "DRAINMOD Workshop" 3-day interagency training, Atlanta, GA. (7/95)

Invited Instructor, Ohio Drainage School, Columbus, OH (4/95)

Co-instructor, "Wetland restoration and enhancement", 5-day training workshop, Southeast Region, SCS and USFWS, Greenville, N.C. (3/93)

Design and evaluation of alternative on-site waste treatment demonstration systems for Craven County, N. C. (1990-1995)

Co-instructor, "Wetland hydrology evaluation and delineation" 4-day training workshop, Army COE, US-FWS, and US-SCS Raleigh, N.C. (10/91)

Co-instructor, two - "DRAINMOD" 5-day training workshops, US-SCS at SNTC-Ft. Worth, TX., (2/91, 10/89)

Co-instructor, 3-week Extension Water Management Course (3-hours graduate credit), (Summer 84, 86, 89; Fall 89)

Performed "Hydrologic analysis of wastewater application on a golf course near Jacksonville, FL", Law Engineering, Jacksonville, FL office, (8/90)

Co-instructor, "DRAINMOD" 4-day training workshop, Research and Extension Agricultural Engineering Faculty, Ohio State University, (1/90)

Assisted with "Hydrologic analysis of land application of treated municipal wastewater in Carteret county, N. C.", Carteret County Water and Sewer Task Force, Carteret Co., N. C., (8/89)

Performed "Design and evaluation of an underdrain system for Palm Coast Utilities rapid infiltration basin", Law Engineering, Jacksonville, Fl., (5/88)

General Chairman, 4-day National Water Table Management Symposium, Raleigh, N.C., (6/86)

Invited Instructor, 3-day drainage training workshop, Illinois Land Improvement Contractors, Springfield, Il, (2/86)

Assisted with 4-day DRAINMOD training workshop, North Central Computer Institute, Madison, Wi., (8/85)

Assisted with design and layout of subsurface drainage/center pivot irrigation - land application system, Anheuser Bush Brewery, Jacksonville, Fl., (1984).

**Awards and Honors**

· International Drainage Hall of Fame, 2014

·ASCE Royce J. Tipton Award, 2013

·ASABE Hancor Soil and Water Engineering Award, 2009

·FELLOW, American Society of Agricultural and Biological Engineers, 2005.

·U.S.D.A Group Honor Award for Excellence: North Carolina Phosphorus Loss Assessment Team, 2004.

·Elected Chair, Irrigation and Drainage Council, Environment and Water Resources Institute of the American Society Civil Engineers, effective October 1, 2004 to September 30, 2006.

· Selected “Invited External Examiner” by the faculty of the College of Agriculture for PhD defense in Uppsala, Sweden, September 2002.

·One of 13 scientists appointed to National Research Council study committee “Evaluation of mitigation practices under Clean Water Act to achieve national goal of no net loss of wetlands functions” (1999-2001).

·North Carolina Irrigation Award, 2003.

·General Chairman, “Seventh National Drainage Symposium” March 8-10, 1998, Orlando, FL.

· "Professional Achievement in Water Quality", N.C. Soil and Water Conservation Society, 1995.

·ASAE "Extension Educational Aids Blue Ribbons": 1997, 1989 (2), 1987, 1986. USDA

·"Superior Service Award", 1990 - Water Table Management Group.

·ASAE Outstanding Soil and Water "Technical Reviewer", 1990.

·N. C. Irrigation "Public Service Award", 1990.

· R.J. Reynolds "Outstanding Graduate Teaching Award", 1983.

**Membership in Professional and Honorary Societies**

· [American Society of Agricultural Engineers](http://www.asae.org/) (past chair, Drainage Group; past secretary, N.C. Section)

·[American Society of Civil Engineers](http://www.asce.org/) (past chair, Irrigation and Drainage Council; past chair, Water Quality Committee)

·[Soil and Water Conservation Society](http://www.swcs.org/)

· [U.S. Irrigation and Drainage Congress](http://www2.privatei.com/~uscid/)

· [North Carolina Irrigation Society, Past Technical Advisor](http://www.bae.ncsu.edu/topic/irrigation_society/)

·[Water Resources Research Institute](http://www2.ncsu.edu/ncsu/CIL/WRRI/)

·Alpha Epsilon. Gamma Sigma Delta. Phi Kappa Phi. Sigma Xi. Tau Beta Pi.

**National:**

[**ASABE**](http://www.asae.org/)**-**

·Drainage Group, SW-23.

·Drainage Research Committee SW-231 (past-Chair).

·Education ED-210

·Water Table Management in Humid Regions SW-232, (past Chair).

·Water Quality SW- 02(T9), (past member).

·SAC-5 and NCAC-16, vice chair

·Sixth National Drainage Symposium, Planning Committee, (past member).

·Seventh National Drainage Symposium, General Chair.

[**ASCE**](http://www.asce.org/)**-**

·Irrigation and Drainage Council, past Chair, News Editor

·Water Quality Committee, past Chair.

·Task committee "Non point source water quality models: their use and application".

·Research and Education Committee (past member).

·Effect of Agricultural Drainage on Water Quality in Humid Regions (past member).

**State of North Carolina and University (NCSU) –**

·NCSU Energy Council, CALS representative (2014-present)

·CALS representative to Integrated Biomass Research Initiative (2011-present)

·CALS Graduate Student Professional Development Workshop (2008-2010)

·CALS Safety Committee, past chair

·CALS Review, Promotion and Tenure committee, 2005.

·Agriculture and the Environment (State Major Program), past Co-chair.

·National Research Council, Wetlands Mitigation Effectiveness Assessment Committee (1999-2001)

·N.C. Senate select committee, Coastal River Water Quality and Fish Kills. Agricultural Water Management Coordinating Committee (past member).

·Extension Committee for Pollution Abatement in Nutrient Sensitive Watersheds (past member).

·On-Site Waste Treatment Research Committee (past member).

·Extension Task Force on Conservation Title (past member).

·Natural Resources National Initiatives Work Group (past member).

·Water Quality National Initiative, Non-point Source Work Group (past member).

·N. C. Irrigation Society – past Technical Advisor

·NCIS Board of Directors and Scholarship Committee,

·Departmental: Executive Committee, past Graduate Studies Committee,

·Facilities Committee, Computing Committee, past chair.