


Biographical Summary

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Current Activities

Reetz Agronomics, LLC. Owner/Manager/Consultant. Providing consulting services in agronomy, high yield cropping systems, precision farming technology, conservation systems, on-farm research. Support for research and education programs, publications, conferences and meetings, and related activities. Speaker on related topics.

Agricultural Drainage Management Coalition (ADMC), Owatonna, MN. Executive Director. Organization management, public relations, member services, and educational programs in support of ADMC's promotion of drainage water management to improve water use efficiency and reduce environmental impacts of nutrients in water flowing from agricultural fields.

Conservation Technology Information Center (CTIC), West Lafayette, IN. Contract consultant on **Indian Creek Watershed Project** (Livingston County, Illinois). Coordinating demonstrations of nutrient management BMPs, nitrogen use efficiency (NUE) monitoring plots, and water quality monitoring for this North Central Illinois watershed. Sponsored by Illinois EPA and industry partners.

International Plant Nutrition Institute (IPNI), Norcross, GA. Consulting support for various IPNI projects, including Global Maize Project, InfoAg Conference, CTIC, etc.

International Society of Precision Agriculture (ISPA). Monticello, IL. Executive Director. Promoting world-wide the research, development, and implementation of precision agriculture technology, through scientific publications, conferences, media, and various other activities and communications. Providing a forum for networking among researchers, educators, industry, and end-users.

Plant Management Network, St. Paul, MN. Representing American Society of Agronomy on Joint Executive Committee. Co-Leader of Corn management educational series.

Council for Food and Agricultural Research (C-FAR), Champaign, IL. Representing Illinois Fertilizer & Chemical Association on council. Vice-Chairman of the Corn Working Group. Promoting increased research support for university research in agricultural production systems.

Degrees Received

- 1970 B.S. Agricultural Science-Agronomy, University of Illinois, Urbana, IL
 - Advisor: A. W. Burger
- 1972 M.S., Crop Physiology and Ecology, Purdue University, West Lafayette, IN
 - Major Professor: Harry F. Hodges; Thesis: ***“Effects of Temperature on Corn Growth and Development”***
- 1976 Ph.D., Crop Physiology and Ecology, Purdue University, West Lafayette, IN
 - Major Professor: Donald A. Holt; Thesis: ***“CORN CROPS: A Physiology-Based Simulation of the Corn Crop”***

Past Positions

- 1982-2010 ***International Plant Nutrition Institute*** (formerly Potash & Phosphate Institute)
 - 2007-2010. Director of External Support and FAR, Monticello, IL
 - 2004-2007. President, Foundation for Agronomic Research, Monticello, IL
 - 1982-2004. Midwest Director, Potash & Phosphate Institute, Monticello, IL.

Coordinator of external support (from sources other than IPNI Member Companies) for global programs of International Plant Nutrition Institute (IPNI), and manager of the Foundation for Agronomic Research (FAR). Responsible for research and education programs in crop and soil management, with special emphasis on site-specific technology and information management systems and nutrient management practices. Coordinator of 12 ***InfoAg Conferences (1995-2009)*** and Co-coordinator of ***Internal Conference on Precision Agriculture (2008, 2010)***. Co-Chair of IPNI Maize Decision Support Workgroup and Global Maize Project.
- 1974-1982. ***Purdue University***, West Lafayette, IN
 - Associate Professor, Extension/Research Corn Specialist, Dept. of Agronomy

Coordinated Extension program in corn production. Directed research on corn production systems for high yields. Coordinator of National Corn Handbook project. Research on using mechanistic computer simulation to predict corn and soybean yields for 100 counties in the US. Extension programs on use of computers in agriculture.

Courtesy Appointments

- University of Illinois, Adjunct Professor, (1999-Present); Collaborator (1982-1999)
- Purdue University, Graduate Faculty, (1990-2005)

Honors and Awards Received

- American Society of Agronomy, ***Fellow***, (1993)
- Crop Science Society of America, ***Fellow***, (1992)
- American Society of Agronomy, ***Agronomic Service Award***, (2008)
- American Society of Agronomy, ***Agronomic Industry Award***, (2000)
- International CCA Program, ***Outstanding Service Award***, (1998)
- Purdue University Agronomy Dept., ***Alumni Achievement Award***, (2005)
- U. of Illinois, Ag Alumni Association, ***Award of Merit***, (2000)
- U. of Illinois, ***Gamma Sigma Delta Alumni Award of Merit***, (2001)
- *Farm Chemicals magazine* ***“Site-Liner Award”*** (1997)
- Mid-America Crop Protection Association ***Educator Award*** (1997)
- Illinois FFA ***“Honorary State Farmer Award”*** (1988)
- Illinois Fertilizer & Chemicals Association ***Special Recognition Award*** (1988)
- American Men & Women of Science
- Honorary Academic Societies: Alpha Zeta, Gamma Sigma Delta, Sigma Xi
- PrecisionAg Institute ***Award of Excellence, Legacy Award*** (2010)

Major Past Projects Administered (Selected list)

- **International Plant Nutrition Institute (IPNI) Global Maize Project.** Co-chairman 2008-2010; consultant 2010-present. Developing a global network of corn production systems research projects and partner teams to work on narrowing the yield gap between current farmer practices and potential yields through identification and implementation of best management practice systems to fit the local soil-climate-management systems.
- **Potash & Phosphate Institute---MEY Analysis Program (1984-1994)**
Organized series of workshops to train farmers and their advisers in hands-on computer sessions how to do an economic analysis of agronomic production system options. Developed software package and case studies to guide the training. More than 10 workshops were held throughout North and South America, with over 3,000 participants.
- **IPNI/FAR---InfoAg Conference Series (1994-2011)**
Coordinator for series of 10 national conference, plus 3 regional conferences and one in Argentina to promote the implementation of precision farming and information technology in crop production systems. Nearly 6,000 participants to date. Recognized as the leading venue for updates on technology and for networking with other users.
- **International Conference on Precision Agriculture (2008, 2010, 2012)**
Co-coordinator of this biennial research conference on precision farming technology for mostly academic/industry participants.
- **United Soybean Board---Precision Ag Research Project (1996-2004)**
Coordinated 8-year program on precision ag applications in soybean production, involving projects in 20 states with over 100 research cooperators.
- **USDA-CSREES-IFAFS Program---Decision Support Tools for Nutrient Management (1999-2004)**
Coordinated development of a series of decision support tools for site-specific nutrient management systems. (See www.farmresearch.com and www.ipni.net for some of the project products)
- **USDA-NRCS-CIG Program (2005-2008)**
Development and Implementation of Fertilizer BMP Guides for Six Selected Major Cropping Systems (Corn/Soybean in Illinois; Wheat in North Dakota; Potatoes in Idaho; Dairy Forages in New York; Cotton in Arkansas; Irrigated Corn in Kansas) (See www.farmresearch.com/CIG)

Professional Activities

American Society of Agronomy

- Member (1968 to present)
- Elected ASA Fellow (1993)
- 1st Chair, Division A-3, *Climatology and Modeling* (1976)
- Founder and Chair, Software Scene at ASA Annual Meetings (1977-1981)
- Member, ASA Board of Directors (1995, 1998-2001, 2001-2004)
- Associate Editor and Technical Editor, *Agronomy Journal* (1986-1992)
- Associate Editor and Technical Editor, *Journal of Production Agriculture* (1986-1992)
 - Computer Software Applications Committee (1985-1985); Chair (1985)
 - Co-Founder and chair of ASA *Software Scene* program
 - Electronic communications feasibility committee (1985); Chair
 - ASA Strategic Planning Task Force (1995)
 - Exec. VP Search Committee (1999)

- Fellows Committee (2005)
- Agronomic Extension Education Awards Committee (2001-2002); Chair (2002)
- Agronomic Industry Award Committee (2007-2009); Chair (2009)

Crop Science Society of America

- Member (1970 to present)
- Elected CSSA Fellow (1992)

Soil Science Society of America

- Member (1979 to present)
- Board of Directors (1995)
- Chair, Division S-8, *Soil Fertility and Fertilizer* (1996)

ARCPACS

- Certified Crop Scientist (#988); Certified Professional Agronomist
- ARCPACS Board (served as Chair) (1994-1996)

Certified Crop Adviser Program

- Certified Crop Adviser, 1993-present #988
- International CCA Board (1993-2000)
- International CCA Board, Executive Committee member (1996-1998)
- International CCA Board Chair, (1997-1998)
- Member; First Chair, Illinois State Board
- Member/Adviser, IL (1994-present), IN (1995-2004), KY State (1994-1996) State Boards.
- CCA Representative to ASA Board (1998-2001; re-elected for 2001-2004)

Other organizations

- Illinois Fertilizer & Chemical Association (IFCA)
 - Adviser, Board of Directors (1982-present)
 - Agronomy Committee (1983-present)
- Conservation Technology Information Center (CTIC)
 - Board of Directors (1995-present; Adviser 2003-2006), 2nd VP (2006-2009), 1st VP (2009-2010), representative of IPNI, consultant contractor on research project (2010-present)
- National Association of Conservation Districts (NACD)
 - Member, Executive Committee, Board of Directors (2009-2011)
- University of Illinois, College of Agricultural, Consumer & Environmental Sciences
 - Adjunct Professor, Department of Crops Sciences (1999-present)
 - Dean's Advisory Council on Development (1989-1994)
 - Dudley Smith Initiative Advisory Committee (2001- present)
 - Have served on several graduate student advisory committees
- Purdue University
 - Potassium Graduate Fellowship Program Advisory Committee (2002-present)
 - Agronomy Department *Alumni Achievement Award*, (2003)
 - Have served on several graduate student advisory committees (Member of Graduate Faculty)
- CropLife Media Group
 - PACE Advisory Group
 - Frequent contributing author

Public / Community Service

- ***Illinois Committee for Agricultural Education***, appointed by Governor of Illinois to advise the State Board of Education and Legislature in the revamping of agricultural education in elementary and secondary schools in Illinois. Served as 1st chairman. Coordinated complete revision of curriculum statewide, to provide a more science and business oriented program, including agriculture courses accepted by state universities for science credits.
- ***Illinois Groundwater Advisory Council***, appointed by Governor of Illinois. Served 3 terms (1992-2001) as only agricultural representative.
- ***Fertilizer Research & Education Council (FREC)***. Served on organizing committee, and served 4 consecutive terms (11 years total). Appointed by Illinois Director of Agriculture.
- ***Illinois Fertilizer & Chemical Association***, Board Adviser; Agronomy Committee Member (1982-present).
- ***Boy Scouts of America***. Served as Cub Master, Assistant Scout Master, troop committee chairman.
- ***Monticello School Board of Education***, 4 year term; secretary
- ***Monticello United Methodist Church*** Served in various leadership roles, including Finance Committee (chair); Board of Trustees (chair); Administrative Board (chair); Lay Leader; Co-Chair Capital Campaign for new church 2006-2007, Stewardship Committee 2009-present
- ***4-H Leader*** (8 years)
- ***FFA Advisory Committee*** (Monticello High School) 1995-2008; chaperone for 2 National FFA Conventions.

Publications

- Books written 1
 - Books/publications edited 1
 - Book chapters written 6
 - Educational software programs written 2
 - Technical papers, refereed 10, non-refereed 70+
 - Non-technical papers 400+
 - Invited lectures, seminars, symposium presentations 10/year
 - Other related oral, written, visual presentations, products 20/year
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