

Curriculum Vitae
August 2011
Ronald J. Vos PhD

Home

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Work

Dordt College Agriculture Dept.
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Current Position:

Professor of Agriculture at Dordt College. Began teaching at Dordt in 1985.

Education/Degrees:

Dordt College - Sioux Center, Iowa - BA degree,

Major: Biology

Minors: Chemistry and German

Governors State University - University Park, Illinois

MA in Environmental Science,

South Dakota State University - Brookings, South Dakota

PhD in Agronomy, 1999; additional course work in agricultural economics

Dissertation title: Effect of Spring-Seeded Annual Medics on Weed Management
in *Zea mays* Production.

Work Experience:

- Spring 2010 developed and taught Gen 286 *Service and Learning in Southern Africa*, Zambia.
- Spring 2009, 2010, and 2011 taught *Foundations for Agriculture I,II, and III* courses at Northrise University, Zambia.
- Educational Consultant for Northrise University, May 2008-present.
- Summers of 1999-2008, 2010 taught *AS 303 Ecological Agriculture* at Au Sable Institute Pacific Rim, Whidbey Island, Washington.
- Spring of 2000-2003, 2005, 2007, and 2009 worked in Ukraine with Dordt students on rural development as an instructor in a cross-cultural service-learning setting.
- January 2001 worked in Honduras with Dordt engineering students exploring the feasibility of constructing a gravity-powered irrigation system.
- Summers of 1992-94 worked in Russia with Dordt students on rural development in a cross-cultural service-learning setting.
- Pella Christian Schools, Junior High Science Teacher; Pella, Iowa 1975-1985.
- Lansing Christian School, Junior High Science Teacher; Lansing, Illinois, 1970-1975.
- Own and manage farm production enterprises, 1976-present.
- Hi-Volume and SO₂ Air Sample Operator for state of Iowa Hygienic Lab, 1975-1982.

Recent Honors:

April 2010-John Calvin award

Professional Presentations:

June 2011-Student/Faculty Presentation

ShangDi Experimental School (SHD101)

Beijing, China

June 2011-Faculty Development Presentation

Northrise University

Ndola, Zambia

January 2011- Poster; with D. Dick, R. Gorter, R. Johnson

Practical Farmers of Iowa Conference

Marshalltown Community College, Marshalltown, IA

Monitoring and Evaluating Nitrates from tile lines in NW Iowa

June 2010- Penn Cove Grange

Coupeville, WA

Sustainable Agriculture: The Triple Bottom Line

May 2010-Poster; with D. Dick, R. Gorter, R. Johnson

Iowa Private College day at Iowa legislature,

Des Moines, IA

Monitoring and Evaluating Nitrates from tile lines in NW Iowa

Summer 2009

Summer Seminar Series at Dordt

New Hope for Africa

August 2009-Paper

Conference on Transformational Development at George Fox University

Newberg, Oregon

Holistic Theocentric Agriculture for Sub-Saharan Africa

August 2008-Paper

American Scientific Affiliation Meeting at George Fox University

Newberg, Oregon

New Hope for Africa

August 2008-Poster; with S. Top and C. Goedhart

American Scientific Affiliation Meeting at George Fox University

Newberg, Oregon

Corn Rootworm Emergence Trials 2006-2007

January 2008- Poster; with S. Top and C. Goedhart)

Practical Farmers of Iowa Conference

Des Moines, Iowa

Corn Rootworm Emergence in Corn in NW Iowa a Two Year Study

November 2007-Poster; with R. Mutava, P.V.V. Prasad

Tri Society National Meeting (Crop Science, Soil Science, Weed Science)

New Orleans, LA

Genetic Variation in Germination Rate and Percent of Grain Amaranth in Response to Temperature

- January 2007- Poster; with S. Top and C. Goedhart
Practical Farmers of Iowa Conference
Des Moines, Iowa
Corn Rootworm Emergence in Organic Corn in NW Iowa
- June 2006-Paper
North American Colleges and Teachers of Agriculture (NACTA) Conference
Vancouver, British Columbia, CA
General Education Course in Hungary/Ukraine
- October 2004-Paper
Lausanne World Congress on Evangelism, Holistic Mission Sector
Pettaya, Thailand
I was Hungry and You Gave Me Food
- January 2004-Paper
International Conference, God and Creation
Nairobi, Kenya
Principles for Good Agriculture
- November 2003-Paper
Educational Concerns for Hunger Organization (ECHO) Ag Missions Conference,
North Fort Meyers, FL
A Curriculum for Agricultural Missions Emphasis at Dordt College
- May 2002-Paper
International Conference-Biblical Holism and Agriculture
Dordt College, Sioux Center, IA
Social Principles for Good Agriculture
- July 2001-Poster
American Scientific Affiliation 56th Annual Meeting
Kansas State University, Manhattan, KS
Smoother Crop Potential For Weed Management in Zea mays
- March 2001-Paper
Eastern Europe Mission Emphasis week, De Motte, Indiana
Service Learning in Ukraine
- October 2000-Paper
Annual Christian Environmental Council Meeting, Milwaukee, Wisconsin
Why Sustainable Agriculture is Most Compatible with a Theocentric World View
- November 1999, November 2000, and November 2001; W. Kobes)
Paper-Ag Missions International Conference,
Educational Concerns for Hunger Organization (ECHO)
North Fort Meyers, FL
Biblical Holism in Agriculture
- June 1999- Paper
Evangelical Lutheran Church, Cylinder, Iowa
What Does Scripture Say About Agriculture
- November 1998 Paper; with Wayne Kobes
Ag Missions International Conference,
Educational Concerns for Hunger Organization (ECHO)
North Fort Meyers, FL; *Biblical Basis for Agricultural Missions*

- October 1998-Paper; with D. Clay and S. Clay
90th Annual Meeting of Agronomy Society of America, Crop Science Society of America,
Soil Science Society of America, Baltimore, MD
Inhibition of Weed Seed Germination by Annual Medics
- August 1998-Poster
Dordt College, Ways of Knowing, In Concert: Christian Initiatives and Responses
Sioux Center, Iowa
Knowing God's Land and His Creatures
- December 1997-Poster; with D. Clay and S. Clay
North Central Weed Science Society 54th Annual Conference, Louisville, KY
Allelopathy of Three Annual Medic
- Summer of 1993-Spring 1994
Presentations four Dordt alumni groups, three educational groups, and four civic groups.
Service-Learning in Russia
- August 1993-Paper; with D. Vander Zee and C. Goedhart
American Scientific Affiliation 48th Annual Meeting
Seattle Pacific University, Seattle, WA
*Modeling and Monitoring Cropping System Nitrogen for a Sustainable Agriculture-An
Update.* Paper was selected by peers to receive the Caring Research award.
- April 1993-Paper
Farming a Shrinking Planet Conference, Central College, Pella, Iowa
Russia, World view, Agriculture and the Environment, How are They Related?
- January 1993-Paper
All College Assembly Retreat at Dordt College, Sioux Center, Iowa
Why Care About The Environment?
- December 1992-Paper
Christian Farmers Federation Annual Convention, Quelph, Ontario, Canada
Keynote speech *Agricultural Education, Training Tomorrow's Leaders*
- October 1992-Paper
Natural Science Division Colloquium, Dordt College, Sioux Center, Iowa
Russia and Her Agriculture
- February 1992-Poster; with D. Vander Zee and C. Goedhart
Leopold Center for Sustainable Agriculture Conference, Iowa State University, Ames, IA
Monitoring and Modeling Cropping System Nitrogen for a Sustainable Agriculture
(D. Vander Zee and C. Goedhart, Co-authors)
- November 1991-Paper; with D. Vander Zee and C. Goehart
International Conference on Agriculture and the Environment; Ohio State University,
Columbus, OH. *Monitoring Cropping System Nitrogen for a Sustainable Agriculture*
- March 1991-Paper
People for Responsible Agriculture Meeting, Edgerton, MN
Sustainable Agricultural Research
- October 1990-Paper
Environmental Forum Lecture Series, Truman State University, Kirksville, MO
U.S. Agriculture, Greed, Glory, or Godliness

Publications:

- *I was Hungry and You Gave Me Food*, section in book “The Gospel Among the Nations”, by Robert A. Hunt, Orbis Books, Summer 2010.
- *Optimum Stand Density of Spring Triticale for Grain Yield and Alfalfa Establishment*, Lance R. Gibson, Jeremy W. Singer, Ronald J. Vos, and Brock C. Blaser, *Agronomy Journal*, Vol. 100, Issue 4, September 2008.
- *General Education Course in Hungary/Ukraine*, R.J. Vos, Dordt College, *NACTA Journal*, Vol.50, No2, June 2006.
- *Production of Amaranthus in the Tropics-A Farmers’ Manual*, publication done for CRWRC along with Raymond Mutava, 2006.
- *Just Agriculture*, co-author of chapter in book intended as a college text, “Not Just Science”, Zondervan Publishing, USA, August 2005.
- *I was Hungry and You Gave Me Food*, chapter in book in Holistic Mission Sector of the Lausanne World Congress on Evangelism, Published in conference proceedings and as chapter in book, 2004.
- *Sustainable Theocentric Agriculture*, chapter in book, “Celebrating the Vision; The Reformed Perspective of Dordt College”, Dordt College Press, 2004.
- *Social Principles for Good Agriculture*, chapter in book “Biblical Holism and Agriculture”, William Carey Publishers, 2003.
- *Biblical Holism and Agriculture*, book published by William Carey Publishers, 2003. Co-editor along with Dave Evans and Keith Wright.
- *Sustainable Farming: A Christian Perspective*, *Creation Care*, Winter 2001, No. 12.
- *Trends in Sustainable Agriculture*, co-author of chapter in book “Signpost of the God’s Kingdom in the 21st Century”, P.U. Press, South Africa. 1998.
- *Inhibition of Weed Seed Germination by Annual Medics*. R.J. Vos, S.A. Clay, Dordt College and South Dakota State University. *Agronomy Abstracts*. 1998.
- *The Effect of a Medic Cover Crop on Soil Quality*. H.E. Smeltekop, D.E. Clay, S.A. Clay, R. Vos, South Dakota State University and Dordt College. *Agronomy Abstracts*. 1998.
- *Annual Medics and Soil Quality*. H.E. Smeltekop, D.E. Clay, S.A. Clay, R. Vos, South Dakota State University and Dordt College. *South Dakota Academy of Science Volume 77*. 1998.
- *Allelopathy of Three Annual Medics*. R.J. Vos, S.A. Clay and D.E. Clay. Dordt College and South Dakota State University. 1997 NCWSS Proceedings.
- *The Impact of Annual Medic Cover Crops on Soil Quality*. H.E. Smeltekop, D.E. Clay, S.A. Clay, R. Vos, South Dakota State University and Dordt College. *Soil Water Science Research*. SD Ag. Exp. Stn. Pub. TB99. Soil PR07-45. Brookings, SD.
- *United States Feed Grain Policy Reform*, *Pro Rege*. Vol. XXIII, No. 3, March 1995.
- *Monitoring and Modeling Cropping System Nitrogen for a Sustainable Agriculture*. *Building Bridges: Cooperative Research and Education for Iowa Agriculture* (proceedings of third annual conference of the Leopold Center for Sustainable Agriculture). p.86. Ames, Iowa. 1992.
- *Trends in Agriculture: Sustainability*, *Pro Rege*. Vol. XVIII, No.3, p. 19-28, March 1990. (Co-authored with Delmar Vander Zee)
- *U.S. Agriculture, Greed or Godliness*, *The Banner* Vol. 125, No. 10, p.-6-8, March 12, 1990.

Grants

- Leopold Sustainable Agriculture Grant; \$55,000 for three years starting in 2009, *Performance of Cropping Systems Designed to Reduce Nitrate Leaching into Shallow Municipal Well Aquifers*. Joint project involving local farmer, NRCS, and city of Sioux Center.
- SARE Grant; \$138,638.35 for three years starting in 2008, *Bioenergy and Diversity from Sustainable Systems and Crops*. Joint project with Practical Farmers of Iowa, Dordt College, and Ellsworth Community College.
- USDA-Agriculture Research Service; \$6500 annually for two years (2000-2001), to monitor beneficial insects in row crops that have potential as biofuels.
- Iowa State University, IPM Grant; \$3000 annually from 1998-2000. Data from this was used in an extension bulletin publication by North Central Region IPM (IA, WI, IL, MN).
- SARE Grant; \$76,000 to investigate the potential of annual medics for weed control and soil quality enhancement in corn. Joint SDSU/Dordt College. 1995-1997.
- Carver Foundation Grant; \$10,000 for privatization of Russian Agriculture. 1993.
- Leopold Center for Sustainable Agriculture Grant; \$66,000 to study nitrate movement in soil and ground water. 1988-1991.

Research Interests

- Investigating, developing, and promoting sustainable agriculture. Sustainable agriculture is a type of agriculture that is economically viable, socially just, environmentally sound and seeks to promote community.
- Annually conduct on-farm research at the Dordt College Agriculture Stewardship Center. Examples of recent research include: assessment of triticale as additional crop in Midwest crop rotations, monitoring for corn rootworm beetles, sweet sorghum for ethanol production, cover crops, and bioenergy.

Community Activities

- Planned, organized, and executed a conference dealing with Biblical Holism and Agriculture at Dordt College that was attended by over 100 people from 15 different countries.
- Serve in various capacities at my local church including elder, clerk of council, vicar of council, adult Sunday school leader and Laotian young adult Sunday school leader, Education committee chair.
- Volunteer instructor at Sioux County Soil and Water Conservation District Outdoor Classroom.(annually)
- Organized public meetings locally for the Leopold Center for Sustainable Agriculture dealing with agricultural policy.
- Organized a Management Systems Evaluation Area (MSEA) symposium for scientists from the states of Iowa, Minnesota, North Dakota, South Dakota, and Wisconsin as part of the National Water Quality Initiative.
- Peer review research papers for consideration for publication.
- Serve on the Board of Directors for the African Education Foundation based in Grand Rapids, MI; purpose is to start a Land Grant Christian University in Liberia, Africa.
- Serve on Board of Directors for Northrise University Initiative ; Northrise is a young,

Christian, University in Zambia, Africa.

Memberships

- National Association of Colleges and Teachers of Agriculture (NACTA)
- American Scientific Affiliation (ASA)
- International Honor Society of Agriculture (Gamma Sigma Delta)
- Soil and Water Conservation Society of America
- International Association for the Promotion of Christian Higher Education (IAPCHE)
- Practical Farmers of Iowa
- Iowa Farm Bureau