

CURRICULUM VITAE

Rhonda R. Janke

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Education:

1987 Ph.D. Cornell University, Agronomy (Plant Ecology and Animal Nutrition minors)
1984 M.S. Cornell University, Agronomy
1980 B.S. Kansas State University, Agronomy

Professional Experience:

2014-present Professor, Department of Horticulture, Forestry and Recreation Resources, Kansas State University

1999 - 2014 Associate Professor and Extension Specialist, Sustainable Cropping Systems, Dept. of Horticulture, Forestry and Recreation Resources, Kansas State University
Affiliated faculty member Womens' Studies Program.

1994 - 1999 Associate Professor and Extension Specialist, Sustainable Cropping Systems
Dept. of Agronomy, Kansas State University.

1992-1994 Director of Research, Rodale Institute -

1986-1992 Agronomy Section Leader, Rodale Institute and Adjunct Assistant Professor, The Pennsylvania State University. - Conducted research in the area of weed ecology, cropping systems, and soil quality.

1980-1986 Graduate Research and Teaching Assistant,
Dept. of Agronomy, Cornell University.

Professional Activities (past and present):

Editorial Board, Journal of Sustainable Agriculture
Kansas Climate and Energy Project Advisory Board
Organic Crop Improvement Association (OCIA) International Research Committee
Board of Directors, The Land Institute, Salina, KS
American Society of Agronomy Women in Agronomy Committee
Editorial Board, Crop Protection, An International Journal of Pest, Disease and Weed Control
Scientific Advisory Board, Michigan State University NSF Long Term Ecological Research Project
Advisory Board member to the Georgia State Experiment Station Sustainable Agriculture
Certification Review Committee, Organic Crop Improvement Association
Clean Water Farms Project, Technical Review Committee, Kansas Rural Center, Whiting, KS
Review committee (1994 & 1995) for the USDA/CSRS Systems Grants Panel, Washington, D.C.
Review committee (2002 & 2003) USDA/CSREES Review panel for the Organic Transition Grants
North Central Regional SARE Administrative Council – elected 3-year term

Professional Memberships (past and present):

Alpha Zeta Agricultural Fraternity
Association of Women in Science
Ecology Society
Horticultural Society of America
Phi Kappa Phi Honor Society
Weed Science Society of America

American Society of Agronomy
Crop Science Society of America
Gamma Sigma Delta, Agricultural Honorary
Institute for Alternative Agriculture
Sigma Xi, Scientific Research Society

Honors and Awards

Gamma Sigma Delta "Excellence in Extension" Award, 2013
Kansas Organic Producer's "John Vogelsberg Sustainable Agriculture Award," 1998
American Society of Agronomy Educational Display Award, 1997
Chair, Division A-8 (Integrated Agricultural Systems), American Society of Agronomy 1997
Biography listed in "Who's Who of American Women," published by Marquis Who's Who, 18th Edition, 1993-94
Certificate of Appreciation for Collaboration- USDA/ARS, Beltsville Soil Microbial Systems Laboratory, 1993
Distinguished Teaching Award, Cornell Agronomy Department, May 1982
Honors Program, Kansas State University, 1979-1980

Teaching Activities - Courses Taught

HORT 790 "Sustainable Agriculture" (created/new since 2005)
HORT 325 "Organic Farming Systems" (created/new since 2006)
HORT 560 "Vegetable Production"
HORT 520 "Fruit Production"
HORT 791 "Urban Agriculture" (created/new since 2011)
HORT 752 "Horticulture in Hort Therapy" (team teach w/ C. Shoemaker and K. Williams; Distance course)
Have also taught **three intersession courses** on special topics in Horticulture.

Additional Teaching Activities

Created a new Master of Science program in "Urban Agriculture" with Candice Shoemaker.
Faculty advisor and co-founder of the Willow Lake Student Farm (teaching site for hands-on training and for students to grow organic horticultural crops) and Student Farm Club.
Completed the Peer Mentoring in-service training course at KSU, 2004.
Adviser or co-adviser to **18 graduate students** (past and present).

Graduate Students Advising - Major Professor:

Caroline Tanner, MS Urban Food Systems program. Topic: Extension Outreach to Urban Farmers in the Kansas City Metro Area (completed 2014)
May Altamimi, PhD, Topic: Soil Quality and Nitrogen Cycling in High Tunnel Organic and Conventional Cropping Systems. (completed her MS in 2010, due to complete PhD 2015)
Ramiro Rodriguez, PhD Dissertation title: "Evaluation of Soil and Water Test Kits for Farmers" 2004
Laura Weingartner, MS Thesis title: "Soil Property Assessment in Legume vs. Nonlegume Systems." 2000

Graduate Students Advising - Committee Member:

Angela Anegon, MS Urban Food Systems. (completed 2014)
Clare Hintz, PhD Prescott University, "Women Farmers and Sustainable Agriculture in Wisconsin." (2014)

Sarah Beach, PhD Dept. of Sociology, Research topic "Justice in the Food System: An Exploration of Urban Agriculture in Kansas City." (2013)

Sarah Masterson, MS Student, Research topic: Tomato Grafting. (2013)

Paula Suda, MS Student, Urban Food Systems program. (current)

Rojee Chipalu-Pradhan, PhD, Topic: Tomato Nutritional Value in High Tunnel vs. Field Production using Organic and Conventional Growing Conditions. (current)

William Mann, MS Landscape Architecture, "Campus Permaculture: Regenerative Design for Food Production at Kansas State University." 2012

Savvi Neuffer, MS Geography Department, "Farm Policy and Climate Change." 2012

Katherine Ward, Prescott University, PhD, Dissertation title: "Farm Pedagogy as a Transformative Learning: Ecological and Social Literacies at Rainshadow Farm." 2012

Cynthia Domenghini, PhD, "Physical Activity and Curriculum Development of an After-School Gardening Program for Youth Health." 2011

Phil Woodford, Agriculture and Biological Engineering, Composting Systems. (outside chair) 2009

Jeremy Merrill, Landscape Architecture, MS, "Nôtre Potager : a typology of edible landscapes in Manhattan, Kansas." 2009

Sherry Knewton, PhD, "Soil Quality in High Tunnel Production Systems." 2008

Coleen Wittman, Landscape Architecture, MIAPD, Interior Architecture and Product Design, 2008

Marlin Bates, MS, HFRR, "Efficacy of compost tea on *Septoria* leaf spot of tomato in field and greenhouse studies." 2007

Sin-Ae Park, PhD, HFRR, "Gardening as a physical activity for health in older adults." 2007

Xin Zhao, PhD, "Exploring the Effects of High Tunnels and Organic Production Systems on Production and Quality Attributes of Leafy Vegetables in Kansas." 2006

Katherine Stolp, MS, "Optimizing Germination of *Papaver orientale* 'Temptress' and Fertilization of *Eustoma grandiflorum* 'Balboa Rose'." 2006

Jeff Haines, MS, HFRR, "Indoor plants influence stress, testing performance, and information recall during college student examinations." 2006

Chandrappa Gangaiah, MS, "Suppression of *Septoria* Leaf Spot (*Septoria lycopersici*) and Early Blight (*Alternaria solani*) of Tomato Using Aerated Compost Tea." 2004

Jim Cashatt, MS, HFRR, "Evaluation of greenhouse strawberry container production modified for adults with special needs." 2003

Xuwen Huang, MS, Agronomy, "Soil properties of Naron fine sandy loam as influenced by CRP." 2002

Undergraduate Research Supervised:

Lani Meyer, senior honors thesis, survey of student farms 2007

Jose Guzman, Citizen Science project 2006

Rebecca Moscou-Snavely - independent study, water quality 2004

Dena Peterson, Horticulture 2003

Brandi Nelson, McNair scholar, Citizen Science project 2003

Rita Scharz, Agronomy honors project, wild legumes, 1999

Sabbatical Activities - Book Published Fall 2005 I interviewed over 70 leaders in the US Sustainable agriculture movement to determine their thoughts on past 25 years, current strengths, weaknesses, and ideas for the next 25 years. Book published spring 2008, University Readers, publisher; "**Farming in the Dark - A Discussion about the Future of Sustainable Agriculture.**" Received recognition as one of Kansas best 150 books in 2011.

Publications

Refereed Journal Articles

Altamimi, M.E., R.R. Janke, K.A. Williams, N.O. Nelson, and L.W. Murray. 2013. Nitrate-Nitrogen Sufficiency Ranges in Leaf Petiole Sap of Pac Choi Grown with Organic and Conventional Fertilizers. *Hort Science* 48(3): 357-368.

Knewton, S.J.B, R.R. Janke, L. Murray, M. B. Kirkham, and E.E. Carey. 2012. Soil Quality after Eight Years Under High Tunnels. *Hort Science*. 47:1630-1633.

Knewton, S.J.B., R. Janke, M.B. Kirkham, K.A. Williams and E.E. Carey. 2010. Trends in soil quality under high tunnels. *HortScience* 45:1534-1538.

Peterson, Hikaru Hanawa, Theresa Selfa and Rhonda Janke. 2010. Barriers and Opportunities for Sustainable Food Systems in Northeastern Kansas. *Renewable Agriculture* 2(1):232-251.

Geyer, W.A., R. Janke, C.J. Barden and E. Carey. 2008. Ginseng (*Panax quinquefolius* L.) and goldenseal (*Hydrastis canadensis* L.) trials in eastern Kansas. *Trans. of the KS Academy of Science*. Vol. 111: 1-6.

Nelson, Nathan O. and Rhonda R. Janke, 2007. Phosphorus Sources and Management in Organic Production Systems. *HortTechnology* 17:442-454

Gonzalez, A.D., R. Janke and E.H. Rapoport. 2003. Nutritional Value of Edible Weeds (Valor Nutricional de las Malezas Comestibles). *Ciencia Hoy*, vol. 13:44-47.

Janke, R.R., M.M. Claassen, W.F. Heer, J. Jost, S. Freyenberger and D. Norman. 2002. The use of Winter Annual Legume Cover Crops in a Wheat-Grain Sorghum Rotation in South Central Kansas. *Journal of Sustainable Agriculture*. Vol 20:69-88.

Drinkwater, L.E., R.R. Janke and L. Rossoni-Longnecker, 2000. Effects of tillage intensity on nitrogen dynamics and productivity in legume-based grain systems. *Plant and Soil* 227:99-113.

Reider, C., W. Herdman, L. Drinkwater and R. Janke. 2000. Yields and Nutrient Budgets Under Composts, Raw Dairy Manure and Mineral Fertilizer. *Compost Science* 8:328-339.

Norman, D., L. Bloomquist, R. Janke, S. Freyenberger, J. Jost, B. Schurle, and H. Kok. 2000. Sustainable Agriculture: Reflections of a Few Kansas Practitioners. *American Journal of Alternative Agriculture* 15:129-136.

R.J. Schartz and R.R. Janke 1999. Evaluation of Native Legumes for Use as Cover Crops. *Journal of Sustainable Agriculture* 52:45-59.

Norman, D.W., L.E. Bloomquist, S.G. Freyenberger, D.L. Regehr, B.W. Schurle and R.R. Janke. 1998 Farmers' Attitudes Concerning On-farm Research: Results of a Kansas Survey. *Journal of Natural Resources and Life Sciences Education*, Vol 27.

Moyer, J.W., L.S. Saporito, and R.R. Janke. 1996. Design, construction, and installation of an intact soil core lysimeter. *Agron. J.* 88:253-256.

Galvez, L., D.D. Douds, Jr., P. Wagoner, L.R. Longnecker, L.E. Drinkwater, and R.R. Janke. 1995. An overwintering cover crop increases inoculum of VAM fungi in agricultural soil. *Am. J. of Alt. Ag.* 10(4):152-156.

Douds, D.D., Jr., L. Galvez, R.R. Janke, and P. Wagoner. 1995. Effect of tillage and farming system upon populations and distribution of vesicular-arbuscular mycorrhizal fungi. *Agriculture, Ecosystems & Environment*. 52:111-118.

Harris, G.H., O.B. Hesterman, E.A. Paul, S.E. Peters, and R.R. Janke. 1994. Fate of legume and fertilizer nitrogen-15 in a long-term cropping systems experiment. *Agronomy J.* 86:910-915.

Douds, D.D., R.R. Janke and S.E. Peters. 1993. VAM fungus spore populations and colonization of roots of maize and soybean under conventional and low-input sustainable agriculture. *Agriculture, Ecosystems and Environment*. 43:325-335.

Hanson, J.C., D.M. Johnson, S.E. Peters and R.R. Janke. 1990. The profitability of sustainable agriculture on a representative grain farm in the mid-Atlantic region, 1981-89. *Northeastern Journal of Agricultural and Resource Economics*. 19:90-98.

Liebhart, W.C., R.W. Andrews, M.N. Culik, R.R. Harwood, R.R. Janke, J.K. Radke, and S.R. Schwartz. 1989. Crop production during conversion from conventional to low-input methods. *Agronomy Journal* 81(2):150-159.

F.H. Buttel, G.W. Gillespie, Jr, R. Janke, B. Caldwell, and M. Sarrantonio. 1986. Reduced-input agricultural systems: Rationale and prospects. *Am. Journal of Alt. Ag.* 1(2):58-64.

Peer-reviewed Book Chapters

Carroll, Valerie and Rhonda Janke, 2013. "Sustainable Universities: Rhetoric versus Facts," in *Environmental Policy is Social Policy – Social Policy is Environmental Policy*, Edited by Isidor Walliman, Springer Press.

Peterson, H.H. and R.R. Janke. 2009. "Organic Marketing." In *Organic Farming: The Ecological System*. C. Francis, Ed. Agronomy Monograph 54. ASA, Madison, WI.

Janke, Rhonda R. 2008. "Social Change – Sustainable Agriculture – Sustainable Consumers," in *Moving Thought to Action*, Torry Dickinson and Terry Bercerra, eds. Paradigm Press.

Janke, Rhonda R., 2005. "Whole Farm Planning and Implementing Sustainable Agriculture", in *A New Social Contract: Developing and Extending a Sustainable Agriculture*, Charles A. Francis, Ray Poincelot, and George Bird, eds. The Haworth press, Inc, Binghamton, NY.

Janke, R. 2004. "Whole Farm Planning and Analysis", in *Agroecosystems Analysis*, Dianne H. Rickerl and Charles A. Francis, eds. American Society of Agronomy.

Janke, Rhonda R., 2003. "Pedagogical Farming: One Experience Combining Horticultural Research, Extension Education, and Organic Farming." in *Community and the World: Participating in Social Change Through Local to Global Connections*. Torry Dickinson, Editor. Nova Science, Publisher.

Janke, R. 2002. Chapter 12 "Composing a Landscape," in *The Farm as a Natural Habitat*, Dana L. Jackson and Laura L. Jackson, eds. Publisher Island Press.

Steiner, R.A., L. McLaughlin, P. Faeth and R.R. Janke. 1995. "Incorporating Externality Costs into Productivity Measures: A Case Study Using US Agriculture," In *Agricultural Sustainability, Economic, Environmental and Statistical Considerations*. V. Barnett, R. Payne, and R. Steiner, eds. John Wiley & Sons.

Edwards, C.A., H.D. Thurston, and R. Janke. 1991. "Integrated pest management for sustainability in developing countries." in *Toward Sustainability - A plan for Collaborative Research on Agriculture and Natural Resource Management*. Board on Agriculture, National Research Council, National Academy Press. pp. 109-133.

Liebman, M. and R.R. Janke. 1990. "Sustainable weed management practices." in *Sustainable Agriculture in Temperate Zones*, C.A. Francis, C.B. Flora and L.D. King, eds. John Wiley & Sons, Inc.

Andrews, R.W., S.E. Peters, R.R. Janke and W.W. Sahs. 1990. "Converting to sustainable farming systems." in *Sustainable Agriculture in Temperate Zones*, C.A. Francis, C.B. Flora and L.D. King, eds. John Wiley & Sons, Inc.

Regnier, E.E. and R.R. Janke. 1990. "Evolving strategies for managing weeds." in *Sustainable Agricultural Systems*. C.A. Edwards, R. Lal, P. Madden, R.H. Miller and G. House, eds. Soil and Water Conservation Society, Ankeny, Iowa.

Extension Publications

Fact Sheets and Handbooks

MF 2683. Citizen Science – soil and water testing for environmental stewardship. (a set of 24 fact sheets and illustrated folder. 2005 (and website <http://www.hfir.ksu.edu/p.aspx?tabid=808>)

S-138. The River Friendly Farm Environmental Assessment Tool - Revised Version (130 pages). R. Janke and D. Nagengast, co-authors. 2002. (and website. <http://www.ksre.ksu.edu/rff/>)

MF-2579. Home Grown Herbs for Home Use. by R. Janke, 2003. 7 pp. (Herb Growers Website at: <http://www.hfir.ksu.edu/p.aspx?tabid=787>)

S-144. Farming a Few Acres of Herbs - Notebook. Co-Authors R. Janke, J. DeArmond and D. Coltrain. Approx. 80 pp. 2003.

The following fact sheets were published in 2003, authors R. Janke and J. DeArmond.

- MF-2605. Farming a Few Acres of Herbs: Bee Balm.
- MF-2606. Farming a Few Acres of Herbs: Blue Vervain.
- MF-2607. Farming a Few Acres of Herbs: Boneset.
- MF-2608. Farming a Few Acres of Herbs: Borage.
- MF-2609. Farming a Few Acres of Herbs: Burdock.
- MF-2610. Farming a Few Acres of Herbs: Calendula.
- MF-2611. Farming a Few Acres of Herbs: Chinese Licorice.
- MF-2612. Farming a Few Acres of Herbs: Chinese Milkvetch.
- MF-2613. Farming a Few Acres of Herbs: Dandelion.
- MF-2614. Farming a Few Acres of Herbs: Feverfew.
- MF-2615. Farming a Few Acres of Herbs: Joe Pye Weed.
- MF-2616. Farming a Few Acres of Herbs: Licorice.
- MF-2617. Farming a Few Acres of Herbs: Marsh Mallow.
- MF-2618. Farming a Few Acres of Herbs: Milk Thistle.
- MF-2619. Farming a Few Acres of Herbs: Mullein.
- MF-2620. Farming a Few Acres of Herbs: Narrow-Leaved Coneflower.
- MF-2621. Farming a Few Acres of Herbs: Oregano.
- MF-2622. Farming a Few Acres of Herbs: Pale Purple Coneflower.
- MF-2623. Farming a Few Acres of Herbs: Pleurisy Root.
- MF-2624. Farming a Few Acres of Herbs: Purple Coneflower.
- MF-2625. Farming a Few Acres of Herbs: Red Clover.
- MF-2626. Farming a Few Acres of Herbs: Round Head Lespedeza.
- MF-2627. Farming a Few Acres of Herbs: Sheep Sorrel.
- MF-2628. Farming a Few Acres of Herbs: Skullcap.
- MF-2629. Farming a Few Acres of Herbs: St. John's Wort.

- MF-2630. Farming a Few Acres of Herbs: Stevia.
- MF-2631. Farming a Few Acres of Herbs: Stinging Nettle.
- MF-2632. Farming a Few Acres of Herbs: Valerian
- MF-2633. Farming a Few Acres of Herbs: White Sage.
- MF-2634. Farming a Few Acres of Herbs: Yarrow
- MF-2635. Farming a Few Acres of Herbs: Herb Handbook.
- MF-2636. Farming a Few Acres of Herbs: Heal All/Self Heal.

"Food-A-Syst Farmer's Manual: Production of Fruits and Vegetables." (Judy Willingham, Ed.). Gast, K, D. Nagengast and R. Janke, authors. 2001. (available at <http://www.oznet.ksu.edu/library/fntr2/samplers/FOODASYSBOOK.asp>)

"Food-A-Syst Farmer's Manual: Home-raised, Home Butchered poultry and Eggs." (Judy Willingham, Ed.). Beyer, S. and R. Janke, authors. 2001. (available at <http://www.oznet.ksu.edu/library/fntr2/samplers/FOODASYSBOOK.asp>)

MF-2483 Karen Gast, Rhonda Janke and Kim Holt. "Minimizing Microbial Food Safety Hazards for Fresh Fruits and Vegetables: Manures and Biosolids." December 2000.

MF-2403 Whole Farm Planning. Fact Sheet. R. Janke. August 2000.

MF 2343. Cover Crops for Vegetable Growers. Fact Sheet. C. Marr, R. Janke and P. Conway. November, 1998.

MF 2344. Organic Certification. Fact Sheet. R. Janke and C. Marr. July 1998.

MF 2263. Sustainable Agriculture in Kansas. R. Janke, H. Kok and D. Fjell. Kansas State Ag. Exp. Sta. and Cooperative Extension Service Fact Sheet, January 1998.

Defining and Implementing Sustainable Agriculture. D. Norman, R. Janke, S. Freyenberger, B. Schurle, and Hans Kok. Kansas Sustainable Agriculture Series. AES Contr. No. 97-408-D. Sustainable Agriculture Series, Publication No. 1.

Indicators of Sustainability in Whole Farm Planning: A Literature Review. S. Freyenberger, R. Janke and D. Norman. Kansas Sustainable Agriculture Series. AES Contr. No. 97-482-D. Sustainable Agriculture Series, Publication No. 2.

Indicators of Sustainability in Whole Farm Planning: Planning Tools. R. Janke and S. Freyenberger. Kansas Sustainable Agriculture Series. AES Contr. No. 98-124-D. Sustainable Agriculture Series, Publication No. 3.

Winter Annual Cover Crops in a Wheat-Grain Sorghum Rotation" On-Farm and On-Station Research, 1995-1997. R. Janke, M. Claassen, W. Heer, J. Jost, S. Freyenberger, and D. Norman, authors. Sustainable Agriculture Series, Publication No. 6.

Book Reviews written by request:

"Good Growing – Why Organic Farming Works," by Leslie A. Duram. Am J. Sust. Ag. 2005.

"Empty Pastures – Confined Animals and the Transformation of the Rural Landscape," by Terence J. Centner. Quarterly Review of Biology, State Univ. on NY, Stony Brook. 2005.

"America's Herb Garden," Pre-publication review for the University of Louisiana Press. 2005.

Non-Peer Reviewed Abstracts, Articles, and Proceedings, Websites

Janke, R.R. M.E. Altamimi and C.D. Tanner, 2014. A Comparison of the Effectiveness of Eight Types of Learning Activities When Teaching "Organic Farming Systems" to Horticulture and Non-Horticulture Majors. American Society for Horticultural Science Annual Conference, Orlando, Florida

Altamimi, M.E. and R. R. Janke, 2014. Tomato Yield, Plant and Soil Nitrogen as Affected by High Tunnel and Field Production Systems Under Conventional or Organic Fertility Treatments American Society for Horticultural Science Annual Conference, Orlando, Florida

Janke, R.R. 2012. Sustainability at the Intersection of Art and Agriculture." Presentation at the Prescott University Sustainability Symposium, Prescott, AZ, May, 2012.

Skabelund, Lee, C. Blocksom and R. Janke. 2011. "Kansas State University Seaton Hall Green Roof Demonstration & Research Project." EDRA41: Individual paper.

Janke, R.R. 2010. "Exploring Interdisciplinary Environmental/Place-based Art and Community Art from a Feminist Perspective" Proceedings. National Women's Studies Conference Poster, November, 2010

Altamimi, M.M., M. Oh, R.R. Janke, K.A. Williams, N.O. Nelson, C.B. Rajashekar, D. Rotenberg, and E.E. Carey. 2009. Organic versus conventional fertilization of pac choi and tomato produced in the field versus high tunnels influences crop yield, plant and soil nitrogen, and phytochemical content. *HortScience* 44(4):1112. Abstr.

Altamimi, M.M., R.R. Janke, K.A. Williams. 2009. Sufficiency Ranges for Nitrate In Leaf Petiole Sap of Greenhouse Pac Choi Produced with Organic Versus Inorganic Fertilizers. *HortScience* 44(4): Abstr.

Meyer, Lani, C. Shoemaker and R. Janke. 2008. Planning a Student Farm from the Ground Up. ASHS.

Janke, Rhonda and Rebecca Moscou-Snavely "Accuracy and Performance of Citizen Science Water Quality Test Kits," Kansas Natural Resource Assn, Wichita, KS 2007

Cable, Ted, Rhonda Janke, Tyler Ficken, and Steve Hill , 2006. "The Evaluation of the Citizen Science Water Quality Education Program," KACEE Environmental Educators Conference, Pittsburg, KS November, 2006.

G.M. Powell, R.R. Janke and R. Moscou. 2006. ASABE Meeting Presentation Paper Number 068043. "High School Water Quality Monitoring Education." Portland, OR July 9-12, 2006.

"How to Make a Million Dollars Growing Medicinal Herbs." Published in the Great Plains Herb Growers Association newsletter. Sept. 2003, Vol 3. No. 2. R. Janke, author.

"Food For Thought - Reasons to Shop Locally." Published in the Manhattan Alliance for Peace and Justice Newsletter, Spring, 2003. R. Janke, author.

"Herb Growers Origins and Activites." Published in the Great Plains Herb Growers Association newsletter. March. 2003, Vol 3. No. 1. R. Janke, author.

"KDHE Final Report. Part I. Soil Quality Test Kit Evaluation," 2002. R. Rodriguez and R. R. Janke, authors. 45 pp.

"KDHE Final Report. Part II. Water Quality Test Kit Evaluation," 2002. R. R. Janke and R. Rodriguez, authors. 49 pp.

Website - "Yesterday's Research for Tomorrow's Needs," as part of a SARE grant. I can only take partial credit for this, as Donna Schenk-Hamlin, of the information support services at Hale Library designed and installed the website, and Lisa French, farmer, and staff member at the Kansas Rural Center authored the publications on the website. However, I inherited the role of project leader on this grant, that began in 1997. We completed the grant this year, and I played a role in orchestrating staff, funds, and ideas to see that this project met the original objectives of reviewing the historical KSU literature, and mining it for information relevant to today's sustainable ag farmers. Established 2002.

"Evaluation of Medicinal Herb Species for Kansas," article in the Great Plains Herb Growers Association Newsletter, Vol. 2 No. 3, Sept, 2002. R. Janke, J. DeArmond and T. Carey, authors.

"Notes from the XXIVth International Horticultural Congress," article in the Great Plains Herb Growers Association Newsletter, Vol. 2 No. 3, Sept, 2002. R. Janke, author.

"KSU Medicinal Herb Research Trials - New Site, New Herbs," article in the Great Plains Herb Growers Association Newsletter, Vol. 2 No. 2, June, 2002. R. Janke and J. DeArmond, authors.

"Medicinal Herb Demonstration Garden - 2002," Garden tour handout.

Janke, R.R. and E.E. Carey, 2002. "Evaluation of Medicinal Herb Species for Kansas." Poster and abstract. XXVth International Horticultural Congress, Toronto, Canada.

Carey, E.E., R. Janke, D. Nagengast and C.W. Marr. 2002. "Cover Crops for Vegetable Production Systems in Kansas." Poster and abstract, XXVth International Horticultural Congress, Toronto, Canada.

R. Janke, T. Carey and S. Moring, 2001. "Growth, Quality, and Yield of Marketable Medicinal Crops in Kansas." Abstract. Horticulture Society of America.

Janke, R. 2001. "KSU Medicinal Herb Research Results," Summarized in the Great Plains Herb Growers Association Newsletter, Aug. 31, Vol. 1 No. 1. pp 2-6.

Gonzalez, A. and R. Janke, 2001. "Weeds: the Forgotten Good Food." in *Growing for Market*, Vol. 10 No. 11, pp 7-9.

Janke, R. 2000. "Sustainable Agriculture and Environmental Stewardship." Proceedings of the Mid-Atlantic Fruit and Vegetable Convention, Hershey, PA, January 25-27.

R. R. Janke, 1999. "Environmental Farm Planning." Abstract for poster at the American Society of Agronomy annual meeting.

W.A. Geyer, W.J. Lamont, and R.R. Janke. 1999. "Intercropping with Black Walnut." Abstract for the sixth conference on Agroforestry in North America.

Alternative Approaches to On-Farm Research and Technology Exchange. C. Francis, R. Janke, V. Mundy and J. King, editors. 1995. Extension and Education materials for Sustainable Agriculture Vol 3. North Central Region Sustainable Agriculture Research and Education and Agriculture in Concert with the Environment. 173 pp.

Janke, R.R. and L. Weingartner. 1998. Soil Quality in Kansas: the Possible and the Practical. Agronomy Abstracts pp 57.

Janke, R.R., Norman, J. Jost, L. Bloomquist, S. Freyenberger, B. Schurle, 1998. Whole Farm Planning: Tool Evaluation and Prospects for the Future. KSU and The Kansas Rural Center. Agronomy Abstracts pp. 57.

Kok, H., R. Janke, and M. Bajaj. 1998. Yesterday's Research for Tomorrow's Needs. *Agronomy Abstracts* pp. 24.

Janke, R.R., Norman, S. Freyenberger, J. Jost, L. Bloomquist, B. Schurle, 1997. Whole Farm Planning Using Indicators of Sustainability - A Kansas State University Distance Learning Course. Kansas State University and The Kansas Rural Center. Soil and Water Conservation Society Conference "Ecosystem Dynamics Within Watersheds" Athens, GA 1997.

Janke, R.R., M.M. Claassen, W.F. Heer, J. Jost, and S. Freyenberger. 1997. Cover Crop Research: Complementary On-Station and On-Farm Trials. Kansas State University and The Kansas Rural Center. *Agronomy Abstracts* pp. 48.

Galvez, L., D.D. Douds, Jr., P. Wagoner, L.R. Longnecker, L.E. Drinkwater, and R.R. Janke. 1995. An Overwintering Cover Crop Increases Inoculum of VAM Fungi in Agricultural Soil. ASA Annual Meeting, Oct 29-Nov. 3, Abstract pg. 120.

Janke, R.R., L.R. Longnecker and P. Wagoner. 1994. Alternative Weed Management Strategies for Low Input Reduced Tillage Cropping Systems. ASA Annual Meeting, Nov. 13-18. Pg. 84.

Buyer, J.S., D.D. Kaufman, and R.R. Janke. 1994. Corn Rhizosphere Biodiversity in Conventional and Low-Input Farming Systems. ASA Annual Meeting, Nov. 13-18. Pg. 284.

Douds, D.D., L. Galvez, R.R. Janke and P. Wagoner. 1993. Effect of tillage and farming system upon VAM fungi. Presented at American Phytopathological Society meeting, Nov. 6-10, 1993. Nashville, Tennessee.

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Grants and Contracts Funded:

I have been a PI, Co-PI or collaborator in 20 successful grants since I joined the department at the Associate Professor level in 1999. The total amount received was \$2,321,955. Of these, I was the sole PI for \$397,965, and co-PI (did a major portion of the writing) on \$500,698. These grants have supported my research, teaching and

extension programs. In addition, two of my graduate students were successful in obtaining SARE grants worth \$10,000 each in 2011 (not listed on chart below or included in totals).

Title	Funding Agency and Duration	Funding level
"Development and Adoption of No-till and Minimum Tillage Vegetable Production Systems in the Midwest"	NRCS- Conservation Innovation Grants, 2013-2014	\$221,282
"Student Farm Support and Economic Analysis of Local Food Production Costs"	Kansas Center for Sustainable Agriculture and Alternative Crops, 2012-2013	\$10,000
"Growing, Marketing, and Training for Edible Mushroom Production in Kansas"	KDA Specialty Crop Block Grant, 2009-2011,	\$36,810
"Research for Overcoming Barriers to Institutional Purchases of Locally Grown Food"	Kansas Dept. of Agriculture Specialty Crop Block Grant, 2009-2011	\$19,806
"Student Farm Teaches Sustainable Farming and Business Skills"	Kansas Department of Agriculture Specialty Crop Block Grant, 2008	\$20,000
"Developing Web Resources for Organic Production in High Tunnels"	Organic Farming Research Foundation, 2008	\$8,271
"Design Development and Implementation of the Northview Elementary Learning Garden,"	KSU Center for Engagement, 2009-2011	\$7,200
KDHE/Citizen Science Proposal –Training and Water Test Kit to WRAPS Groups	KDHE, 2009-2012	\$27,000
"Winnebago Ethnobotany and Botanical Resource Propagation Project"	USDA/CSREES Tribal Colleges Research Grants Program, 2006-2008	\$147,152 (KSU share \$15,000)
"Expanding Institutional Markets and Local Food Production in the Kansas River Valley"	KSU Center for Engagement, 2007-2009:	\$15,819
"Effects of Organic Fertility Management on Crop Health and Phytochemical Content of Vegetables Under Open Field and High Tunnel Production"	USDA Integrated Organic Program, 2008-2010	\$500,698
Private Gift to Support the Student Farm	Private donor 2008-2009	\$2,500
"Towards Meeting Kansas TMDL Goals: Education Combined with Volunteer Soil and Water Testing for Enhanced Natural Resource Stewardship"	KDHE for EPA 319 funds, 2003-2009	\$225,760
"A Pilot Project for the Testing and Assessment of Participatory Farm Monitoring to Achieve Local Watershed TMDL Goals"	KDHE-Nonpoint Source Section 2000-2003	\$28,000
"River Friendly Farms Education, Implementation, and Monitoring Project in the Wakarusa Valley Watershed"	Kaw Valley Heritage Alliance. 2003	\$8,000
"Business Plan and Market Analysis for the Great Plains Medicinal Herb Grower's Cooperative."	Kansas Cooperative Development Center Initial Assistance Grant 2003	\$2,500

"Great Plains Medicinal Herb Growers' Cooperative"	Heartland Network -Kansas Rural Center 2002	\$1,500
"High Tunnels for the Central Great Plains: Profitable, season-extending horticultural production systems"	Grant from USDA/IFAFS 2003-2008	\$942,657
"Food-A-Syst for Farm and Home"	USDA Food Safety 2000-2002	\$97,000

International Experience: Farm Tours, Research Center Visits and Professional Conferences

Argentina – 2001, Bariloche, Pampas region, Patagonia, Misiones, University of Buenos Aires, Weed Science collaboration, tour sustainable ag centers.

Canada – 1988, 1990. Ontario, Nova Scotia, and Prince Edward Island, mixed grain and livestock farms, university experiment stations in Prince Edward Island, Nova Scotia, Ontario, and Quebec.

England – 1993, Conference on Measuring sustainability Using Long-Term Experiments. Rothamstead Experimental Station. Sponsored by the Rockefeller Foundation.

Germany – 1992, Central Germany, grain and livestock. University of Gottingen and University of Witzenhausen, sustainable ag systems conference.

Honduras – 1992, Southern and central region, cover crop research. Pan-American Agriculture University, Loma Linda Farm and Training Center. IPM conference at Escuela Agrícola PanAmericana, Honduras.

India – 1990, Presented at "Needs and Opportunities for Cooperative Research in Sustainable Land Use Systems," New Delhi, India, co-sponsored by USDA-OICD, Rodale Institute, and the Indian Council of Ag. Research.

Italy – 1990, 1992, Central and Eastern regions, organic fruit growing and grain production. University of Padova. Presented at conference.

Japan – 1991, Akita and Shizouka, rice and vegetable production. Institute of Environmental Studies, Kyoto, and the Mokichi Okada Research Farm.

Jordan - 2014 - fall sabbatical leave, taught two classes at Hashemite University in Al Zarqa, and conducted research on bio-char amendments on organic date palm and economics of organic olive oil.

Mexico – 1984. Oaxaca, Chiapas, and Veracruz, various private farms and ejidos, CIMMYT, Mexico City, and the University of Tabasco. Participation in Cornell Study Abroad Program.

Netherlands – 1996, Polder region, vegetables and grains, and organic greenhouse production. University of Wageningen, Sustainable Agriculture Research Center, Center for Dairy Research.

Nigeria – 1989. Southern region, agroforestry. International Institute of Tropical Agriculture (IITA).

Oman - fall 2014, two-week study tour included agriculture, geology and art/culture as preview for KSU Study Abroad program for KSU students in 2016.

Paraguay – 2003, Taught 2-week course on soil quality at La Escuela Agrícola, near Asunción, the capital. Toured farms, university research plots and met with environmental group representatives.

Senegal – 1989, Peanut basin, dryland cropping and composting. ORSTOM (French Research Facility) Dakar, and ISRA (Institut Senegalais d Recherche Agricole), and WARDA (West African Rice Dev. Association).

Uruguay – 2003, Southern coastal areas, organic farms. Co-leader of 2-week sustainable agriculture tour of farms, Agriculture University of Montevideo, collaboration with Iowa State University.