

RHODA L. BURROWS

Western Agricultural Research Center, South Dakota State University
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EDUCATION:

Ph.D in Plant Pathology , University of Minnesota, St. Paul, Minn.	2001
M.S. in Horticultural Science , University of Minnesota, St. Paul, Minn.	1987
B.S. in Horticultural Science , Montana State University, Bozeman, Mont.	1983
A.A. in Liberal Arts , Golden Valley Lutheran College, Minneapolis, Minn.	1979

Additional Professional Training:

Permaculture design, Permaculture Research Institute, The Channon, Australia, 2008
Great Plains Diagnostic Network *Greenhouse Pest & Disease Diagnostic Workshop*, Denver, CO, 2007

PROFESSIONAL EXPERIENCE:

Extension Specialist and Associate Professor (2006-10)/Full Professor (2011-present)

Agronomy, Horticulture, and Plant Science Dept., SDSU

Provide support commercial fruit and vegetable production and marketing in South Dakota. Organize production and food safety workshops and obtain funding for educational and research publications and programs; collaborate with regional and national extension efforts. Coordinated statewide Master Gardener volunteer program (2006-2012); currently teach food plant and disease portions. Online co-instructor for undergraduate production courses. (90% extension / 10% academic)

Extension Specialist and Assistant Professor

Horticulture, Forestry, and LA Dept., SDSU

Provide information and support for both home and commercial fruit and vegetable production and marketing in South Dakota. Master Gardener program coordinator and instructor. Research production techniques and mycorrhizal effects. (60% extension / 40% research) 2001 - 2006

Graduate Research Assistant

Plant Pathology Dept., University of Minnesota

Researched host plant diversity interaction with the mycorrhizal fungi community. 1996 - 2001

Research Technologist

Tree Fruit Research & Extension Center, Washington State University

FUNDED PROPOSALS

Implementation of FSMA in the North Central Region through Adoption of a Systems Approach and Stakeholder Engagement Framework.” PI: A. Shaw, Iowa State Univ., NIH- FDA, 2016- 2019, \$. SD Subaward \$24,000

PI- R Burrows, Joan Hegerfeld-Baker, co-PI.
SDDA/USDA Specialty Crop Block grant, 2015-2018. \$46,126.

PI: J.
Hegerfeld-Baker, Co-PIs: S. Anand, R. Burrows. SDDA/USDA Specialty Crop Block grant, 2015-2018. \$56,130.

PI- R. Burrows, SDDA/USDA Specialty Crop Block grant, 2014-2016,
\$16,225.

Adding to the Harvest Reducing the Risk of Unsafe Food Handling Practices while enhancing the marketability of specialty crops 2012-2015; *Co-Program leader*. SD Dept Ag/USDA Specialty Crops Block Grant, \$49,791.

Cultivar ripening parameter profiles and preharvest grape ripening parameter training workshops Co-PI's A. Fennell & R. Burrows, SDDA/USDA Specialty Crop Block Grant, 2013-2016, \$49,565.

Pine Ridge and Rosebu USDA-BFRDP, 2014-2017, \$657,401. PI-S. Burke, Co-PIs – M. Gilbert, R. Lindval, J. Schoch, R. Burrows.

Movable High Tunnels: Outreach & Research to Increase Yield, Quality, and Market Penetration 2012-2014. SDDA/USDA Specialty Crops Block Grant, \$10,709.

Northern Grapes: Integrating viticulture, winemaking, and marketing of new cold-hardy cultivars supporting new and growing rural wineries. 2011-2013; 2014-2016. Co-PD (1 of 29) USDA-NIFA. \$2.5 million; \$2.6 million.

GAP (Good Agricultural Practices) Training 2011-2013. Rhoda Burrows, PI. SDDA/USDA Specialty Crops Block Grant, \$11,306.

Technology Transfer for the Burgeoning Midwest Grape Industry 2010. NCR-SARE to University of Nebraska. Partner. \$68,828.

South Dakota Specialty Crops Workshop 2010. SDDA/USDA Specialty Crops Block Grant to SD Specialty Producers Association, Co-PI. \$16,970

High Tunnels: A Demonstration and education project for South Dakota Growers 2008-2011. SDDA/USDA Specialty Crops Block Grant Program. PI. \$11,484

Recruitment and retention of a Diverse Population of Food Safety students using Market Research for Enhanced Programs 2008-2011. Submitted by NDSU, SDSU & NMSU to the USDA-CSREES Higher Education Challenge Program. Co-PI. \$135,643.

Evaluating Native Fruits for Commercial Production in South Dakota.” 2008-2010. SD Dept of Agric Specialty Crops Block Grant Program, P.I. \$15,000

Evaluation and Selection of Juneberry Cultivars for South Dakota” 2008-2009. SD Dept of Agric Specialty Crops Block Grant Program, Collaborator, \$10,000

Burrows, R. 2004. *Accuracy of Home Soil Test Kits on South Dakota Soils*. Proc. SD Acad. Sci. 83:69-74.

Burrows, R.L. 2002. *Goldenrod: Plants with multipurpose potential*. HortTechnology 12:711-716.

Burrows, R.L. and F.L. Pflieger. 2002. *Arbuscular mycorrhizal fungi respond to increasing native plant diversity*. Can. J. Bot. 80:120-130.

Burrows, R.L. and F.L. Pflieger. 2002. *Host plant responses to AMF from plots differing in plant diversity*. Plant and Soil 240:169-179.

Burrows, R. and F.L. Pflieger. 2001. "Mycorrhizal Relationships," pp. 31-32. ~~An.~~ J id. Sciurro.



Burrows, R. and D. Graper. 2015. **Growing asparagus in South Dakota.** 5 pp.
<http://igrow.org/up/resources/06-2002-2016.pdf>

Burrows, R. and A. Fennell. 2015. **Strawberries in South Dakota.** 7 pp. <http://igrow.org/up/resources/06-2001-2016.pdf>

Burrows, R. and A. Fennell. 2015. **Growing Raspberries in South Dakota.** 6 pp.
<http://igrow.org/up/resources/06-2000-2015.pdf>

Burrows, R. and A. Fennell. 2015. **Grape Varieties for South Dakota.** 4 pp.
<http://igrow.org/up/resources/06-2000-2016.pdf>

Burrows, R. and J. Hegerfeld-Baker. 2014. **Food Safety Practices for Growers.** 06-1000-2014. 2 pp.
<http://igrow.org/up/resources/06-1000-2014>

Burrows, R. **Storage of Fresh Vegetables** 2014. 06-1002-2014. 2 pp. <http://igrow.org/up/resources/06-1002-2013.pdf>

Burrows, R. and M. Roduner. **Blossom End Rot on Tomatoes and Other Vegetables.** 2014. 06-1001-

SD MG Annual Conference Organizer and Host, 2006

Organizing team member, 2006, 2007, 2008

Team Nutrition School Gardening Grant program administrative team member 2007-08

Fruit pruning workshops, Faulkton, SD, Spring 2005-2010

SOCIAL MEDIA

Listserv owner: Tribal Gardening, Grape growers, Farmers Markets, Master Gardeners

Facebook: Viticulture Extension, Extension Master Gardeners, SD Specialty Producers, SD Local Foods

SOUTH DAKOTA SERVICE ACTIVITIES

Co-coordinator, SD SARE 2018

College of ABS Promotion and Tenure Review Committee 2007-2009; Plant Science Promotion and Tenure Standards Committee 2013, 2014; Plant Science Dept. Promotion and Tenure Review Committee, 2014, 2015, 2016

SDSU Academic Senate 2005 – 2009

SDSU Native American Studies Advisory Committee 2006-2008

Gamma Sigma Delta, SDSU chapter, Vice-President 2006-07; President 2007-08

S.D. Cooperative Extension Service Internal Review Committee; State Extension Advisory Board Extension Specialist representative 2002-2005

NATIONAL or REGIONAL ACTIVITIES

Consumer Horticulture eXtension Community of Practice, 2006-2014

Grapes eXtension Community of Practice 2010-2015

North Central Region IPM Consumer Horticulture working group

Great Plains Vegetable Growers Conference planning committee 2002-08 (program chair, 2007)

Extension Advisory Council, American Society for Horticultural Science (ASHS), 2004, 2005

ASHS Extension Materials Awards reviewer, 2006, 2007, 2008, 2015, chair for 2016.

ASHS Outstanding Extension Educator Award committee, 2005-2007; chair for 2008.

Journal Peer Reviewer for *HortScience*, *HortTechnology*, *J. Natural Resources and Life Sciences Education*, *J. Forestry Research*, *Mycorrhiza*, *Native Plants Journal*, *Intl. J. of Vegetable Science*, *Intl. J. of Plant and Soil Science*, and *Plant and Soil*

Proposal Reviewer:

- USDA-NIFA Community Foods Review Panel 2013, 2014
- USDA-NIFA Pest Management Alternatives
- Missouri Wine and Grape Board
- North Central Region-Sustainable Agriculture Research and Education (SARE)
- SD SARE Travel grants and projects
- South Dakota Dept. of Agriculture Specialty Crop Block grants
- South Dakota Master Gardener Endowment grants

INTERNATIONAL ACTIVITIES

Australia, 2008. Permaculture Research Institute. Two-week training.

Poland, 2007. European Center for Ecological Agriculture and Tourism, Stryszow; Warsaw Agricultural University – Study visit of small sustainable farms & Agric. outreach

England, Scotland & the Netherlands, 2004– Horticulture student study trip

Bolivia, 2004. Faculty Visit, Universidad Academe, Carmen Pampa