

Cynthia S. Brown

ADDRESS Department of Bioagricultural Sciences & Pest Management
Colorado State University, 1177 Campus Delivery
Fort Collins, CO 80523-1177
Telephone: (970) 491-1949; Fax: (970) 491-3862; Email: csbrown@lamar.colostate.edu

EDUCATION

Ph.D. University of California, Davis 1998 Plant Restoration Ecology
Dissertation topic: The effects of species diversity and resource use patterns on productivity, stability and invasibility of experimental California prairie communities. Advisor: Kevin J. Rice Ph.D.
M.S. Stanford University 1986 Biological Sciences
Co-Advisors: Alan D. Cooper M.D., Jeff L. Ellsworth Ph.D.
B.S. Stanford University 1986 Biological Sciences

EMPLOYMENT

7/02-present Assistant Professor, Bioagricultural Sciences & Pest Management, Colorado State University, Fort Collins
7/99-6/02 Post-doctoral Researcher, Department of Ecology, Evolution and Behavior, University of Minnesota, Saint Paul
9/93-6/99 Principal-Researcher, Department of Agronomy and Range Science, University of California, Davis
6/92-9/93 Co-Investigator, Sustainable Agriculture Research and Education Program, University of California, Davis
10/91-9/92 Graduate Researcher, Department of Agronomy and Range Science, U.C. Davis, Contract with The Nature Conservancy
9/89-8/90 Intern, The Nature Conservancy, The Carrizo Plain Natural Area, California Valley, California
9/86-12/88 Agricultural Science Teacher, Peace Corps Volunteer, Maitengwe, Botswana

RESEARCH SUPPORT

2004-2006 D.O.I. Cooperative Conservation Initiative and Rocky Mountain National Park "Cheatgrass Control and Community Restoration in Rocky Mountain National Park" \$100,893
2004-2005 National Park Service "Cataloguing Local Knowledge of Weed-infested Site Restoration" with Greg Eckert (National Park Service) and Jennifer Sunderland (Natural Resources Ecology Laboratory, CSU) \$10,000
2004-2005 Colorado Department of Agriculture "Riparian Wetland Communities Before and After Tamarisk Removal" with S. Nissen (CSU), A. Norton (CSU), A. Sher (Denver University) \$15,294
2004 Center for Invasive Plant Management "Cheatgrass Control and Community Restoration in Rocky Mountain National Park" \$4,972
2004-2005 Colorado Department of Agriculture "Plant Invasion Assessment for Colorado" \$21,573
2003-2007 Univ. of Wyoming Ag. Experiment Station "Mechanisms and impacts of integrated pest management strategies for sustainable Canada thistle control in riparian corridors" with S. Enloe (U.WY) \$56,002
2000-2002 United States Department of Agriculture National Research Initiative Competitive Grants Program award "Effects of species and functional diversity on invasions in grasslands" \$ 89,447
1996-1999 California Department of Transportation research contract "Inputs and maintenance for revegetation with native herbaceous species" with K. Rice \$159,000
1996-1997 University of California at Davis Graduate Group in Ecology Graduate Student Fellowship \$13,400

- 1996-1997 Jastro-Shields Graduate Research Award \$2,000
 1993-1996 California Department of Transportation research contract "Competitive relationships between annual and perennial herbaceous species", with K. Rice and V. Claassen \$180,000
 1994-1995 Jastro-Shields Graduate Research Award \$2,000
 1991-1992 The Nature Conservancy research contract, "The use of cattle trampling and grazing as tools to aid establishment of California native perennial grasses" \$6,000
 1990-1991 California Native Grass Association research contract \$3,000

HONORS AND AWARDS

- Merton Love Award for the Outstanding Dissertation in Evolution and Ecology at U.C. Davis 1998
 Graduate Group in Ecology Graduate Student Fellowship 1996-97
 Jastro-Shields Graduate Research Scholarship 1994-95, 1996-97
 Program in College Teaching, University of California, Davis 1992-93
 American Liver Foundation Summer Research Scholarship 1984

PUBLICATIONS

- C. S. Brown.** 2004. Are functional guilds more realistic management units than individual species for restoration? *Weed Technology* 18:1566-1571.
- C. S. Brown** and H. I. Rowe. 2004. The unwelcome arrival of *Bromus tectorum* to high elevations. Proceedings High Altitude Revegetation Workshop No. 16, March 2004, Fort Collins, Colorado. Colorado Water Resources Research Institute Information Series No. 99. W.R. Keammerer and J. Todd, eds.
- Fargione, J, **C.S. Brown**, and D. Tilman. 2003. Community assembly and invasion: An experimental test of neutral versus niche processes. *Proceeding of the National Academy of Sciences* 100:8916-8920
- C. S. Brown** and K. J. Rice. 2001. Inputs and Maintenance for Revegetation with Native Herbaceous Species. Final Report to the California Department of Transportation, Report No. FHWA/CA/TL-2001/06.
- C. S. Brown** and R. L. Bugg. 2001. Effects of established perennial grasses on introduction of native forbs in California. *Restoration Ecology* 9:38-48.
- C. S. Brown** and K. J. Rice. 2000. The mark of Zorro: effects of the exotic annual grass *Vulpia myuros* on a mixture of California native perennial grasses. *Restoration Ecology* 8:10-17.
- C. S. Brown**, K. J. Rice and V. Claassen. 2000. The effects of soil amendments and mulches on establishment of California native perennial grasses: a summary of selected results. *Grasslands* 10:1-17.
- R. L. Bugg and **C. S. Brown**. 1999. Establishing native forbs within existing stands of native perennial grasses from transplants and seed on rural roadsides in the Sacramento Valley of California. *Sustainable Agriculture* 10: 8-9.
- C. S. Brown**, K. J. Rice and V. Claassen. 1998. Competitive Growth Characteristics of Native and Exotic Grasses. Final Report to the California Department of Transportation, Report No. FHWA/CA/ESC-98/07.
- R. L. Bugg, **C. S. Brown**, and J. H. Anderson. 1997. Restoring native perennial grasses to rural roadsides of the Sacramento Valley of California: establishment and evaluation. *Restoration Ecology* 5: 214-225.
- C. S. Brown** and K. J. Rice. 1996. Suppressive effects of Zorro fescue (*Vulpia myuros*) on California native perennial grasses. Summary of results published in *Grasslands* 6: 1-2.
- C.S. Brown**, R.L. Bugg, and J.H. Anderson. 1994. Establishment of native plants for roadside weed control. Proceedings of the 46th Annual Meeting of the California Weed Science Society 113-119.
- C. S. Brown.** Summaries of trials with native perennial grasses conducted by Soil Conservation Service Plant Material Centers between 1944 and 1960: report to the California Native Grass Association (1992).
- C. S. Brown.** Cattle trampling and grazing as tools to aid establishment of California native perennial grasses: Inks Creek Ranch study. Year-end Report to The Nature Conservancy (1992).
- J. L. Ellsworth, **C. S. Brown**, and A. D. Cooper. Stimulation of LDL receptor activity in Hep-G2 cells by a serum factor(s). *Journal of Cell Physiology* 135:213-223 (1988).