

Noelle Orloff
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Education

M.S. Land Resources and Environmental Sciences, Montana State University, Bozeman: Dec 2011
Thesis title: Understanding ecological interactions to improve management of *Bromus tectorum*.

B.S. Resource Conservation, University of Montana School of Forestry, Missoula: May 2003

Natural Resource Research and Management Positions

Plant Identification Diagnostician: April 2015 – present
Schutter Diagnostic Lab, Montana State University, Bozeman

Research Associate: Dec 2011 – April 2015
Dept. of Land Resources and Environmental Sciences, Montana State University, Bozeman

Graduate Research/Teaching Assistant: April 2009 – Nov 2011
Dept. of Land Resources and Environmental Sciences, Montana State University, Bozeman

Independent Contractor: May 2008 – Oct 2009
Natural Resource Conservation Service, Rocky Mountain Front Weed Roundtable, Choteau, MT

Rocky Mountain Front Weed Roundtable Coordinator: May 2005 – Nov 2007
Rocky Mountain Front Weed Roundtable, Choteau, MT

Technician – Biological Control of Weeds: May – Oct 2004
Copeland Biological, Bozeman, MT

Fisheries Technician: May – Oct 2003 and June – Oct 2002
USDA Forest Service, Thorne Bay, AK and Kalispell, MT

Professional and Peer –Reviewed Publications

Orloff, N., J.M. Mangold and F.D. Menalled. [In press]. Site-specific effects of exotic annual grass control integrated with revegetation. *Ecological Restoration*.

Mangold, J., N. Orloff, H. Parkinson and M. Halstvedt. 2015. Integrating herbicides and re-seeding to restore rangeland infested by an invasive forb-annual grass complex. *Ecological Restoration* 33(1) 16-19.

Ament, R., M. Pokorny, S. Jennings, J. Mangold and N. Orloff. 2014. Native plants for roadside revegetation: Field evaluations and best practices identification. Idaho Transportation Department Research Report. itd.idaho.gov/highways/research/archived/closed.htm

Orloff, N., Z.J. Miller, F.D. Menalled, M.E. Burrows and J.M. Mangold. 2013. Joint impact of biological and environmental stressors on *Bromus tectorum* growth. *Weed Research* 53(3) 192-200.

Orloff, N., J. M. Mangold and F. D. Menalled. 2013. Role of size and nitrogen in competition between annual and perennial grasses. *Invasive Plant Science and Management* 6(1) 87-98.

Orloff, N. 2011. Understanding ecological interactions to improve management of *Bromus tectorum*. Master's thesis. Montana State University, Bozeman, MT.

Extension and Outreach Publications

Orloff, N. Absinth wormwood (*Artemisia absinthium*). 2014. Monthly Weed Post (May). Montana State University Extension, Bozeman, MT.

Orloff, N. Poison hemlock (*Conium maculatum*). 2014. Monthly Weed Post (Oct). Montana State University Extension, Bozeman, MT.

Orloff, N. and J. Mangold. 2014. Watch out for medusahead. EB0218. Montana State University Extension, Bozeman, MT.

Orloff, N and J. Mangold. 2013. Featured weed: toadflax. Dalmatian and yellow, and their hybrids. *Big Sky Small Acres* 6(4), 8-9

Orloff, N. 2012. Applying biological control methods for weed management. Monthly Weed Post (Dec). Montana State University Extension, Bozeman, MT.

Orloff, N. 2012. Biological control of leafy spurge, spotted knapweed and Dalmatian toadflax in Montana, and an update on houndstongue insects. Monthly Weed Post (June). Montana State University Extension, Bozeman, MT.

Orloff, N. 2012. Revegetation of cheatgrass-infested rangeland: size matters! Monthly Weed Post (Feb). Montana State University Extension, Bozeman, MT.

Posters and Presentations at Professional Meetings

Mangold, J., N. Orloff, H. Parkinson and M. Halstvedt. 2014. Integrating herbicides and revegetation to restore rangeland infested with spotted knapweed (*Centaurea stoebe*) and downy brome (*Bromus tectorum*). Western Society of Weed Science Annual Conference. March 11. Colorado Springs, CO.

Mangold, J., N. Orloff, H. Parkinson and M. Halstvedt. 2014. Integrating herbicides and re-seeding to restore rangelands infested by an invasive forb/annual grass complex. 3rd Northern Rockies Invasive Plant Council Conference. Feb. 12. Spokane, WA.

Orloff, N. and J.M. Mangold. 2014. Restoring lands dominated by exotic annual grasses and spotted knapweed. Montana Weed Control Association Annual Conference. Jan. 15. Great Falls, MT. [Oral presentation].

Orloff, N. 2011. Understanding ecological interactions to improve management of *Bromus tectorum* in rangeland and cropland ecosystems. Thesis defense. Nov. 14. Bozeman, MT. [Oral presentation].

Orloff, N. J.M. Mangold, F.D. Menalled, and Z.J. Miller. 2011. The role of relative size and nitrogen availability in competitive interactions between cheatgrass (*Bromus tectorum*) and bluebunch wheatgrass (*Pseudoroegneria spicata*). Society for Range Management 64th Annual Conference. Billings, MT. [Oral presentation].

Orloff, N, Z.J. Miller, F.D. Menalled and J.M. Mangold. 2010. Nitrogen availability and distance from row modifies competitive interactions between downy brome (*Bromus tectorum*) and winter wheat. Weed Science Society of America Annual Meeting. Feb. 7-11. Denver, CO. [Oral presentation].

Miller, Z.J., F.D. Menalled, M. Burrows and N. Orloff. 2010. Direct and interactive effects of plant stressors on winter wheat yields and crop-weed competition. Ecological Society of America 95th annual meeting. Pittsburgh, PA.

Presentations at Extension Programs

Orloff, N. 2015. Friend or foe? Noxious weeds and native look-alikes. Right of way category/regulatory weed training. Feb. 23. Billings, MT.

Orloff, N. 2014. Sleep, creep and leap; what to expect after implementing a revegetation project. Montana State University Extension Weed Management Certification Workshop, Level 2. Sept 30-Oct 2, 2014. Bozeman, MT.

Orloff, N. 2014. Cheatgrass research update. 5th Annual Sweet Grass County Weed Summit. March 25. Big Timber, MT.

Orloff, N. 2013. Revegetation 101. Montana State University Extension Weed Management Certification Workshop, Level 1. October 1-3. Bozeman, MT.

Orloff, N. 2013. Revegetation reality; sleep, creep and leap. Montana State University Extension Weed Management Certification Workshop, Level 2. April 1-3. Bozeman, MT.

Orloff, N. 2012. Restoration and revegetation. Montana State University Extension Weed Management Certification Workshop, Level 1. April 2-4. Bozeman, MT.

Mangold, J.M. and N. Orloff. 2011. Cheatgrass management: research update. Montana Weed Control Association Spring Coordinator Training. March 22-23. Helena, MT.

Awards

Student paper contest, 2nd place. Society for Range Management 64th annual conference.