

## Curriculum Vitae

Jane M. Mangold

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### Education

Ph.D.	May 2004	Montana State University	Invasive Plant Ecology
M.S.	December 1997	Montana State University	Land Rehabilitation
B.S.	May 1994	Iowa State University	Biology

### Professional Experience

2008-present	Assistant Professor of Integrated Invasive Plant Management, Montana State University, Bozeman, MT.
2004-2008	USDA-ARS Rangeland Ecologist, Eastern Oregon Agricultural Research Center, Burns, OR
1999-2004	Graduate Research Assistant, Montana State University, Bozeman, MT
1998-1999	Research Associate, Montana State University, Bozeman, MT
1996-1997	Graduate Research Assistant, Montana State University, Bozeman, MT
1995-1996	Research Technician, Montana State University, Bozeman, MT
1994-1995	Lab/field Technician, ABI Alfalfa, Ames, IA

### Refereed Publications (last 5 years)

- Rinella, M.J., **J.M. Mangold**, E.K. Espeland, R.L. Sheley, and J.S. Jacobs. Accepted. Long term effects of seeding on invaded grasslands. *Ecological Applications*.
- Fansler, V.A. and **J.M. Mangold**. 2011. Restoring native plants to crested wheatgrass stands. *Restoration Ecology* 19:16-23.
- Pokorny, M.L., **J.M. Mangold**, K. Denny, and J. Hafer. 2010. Managing spotted knapweed (*Centaurea biebersteinii*) infested rangeland after wildfire. *Invasive Plant Science and Management* 3:183-189.
- Pokorny, M.L. and **J.M. Mangold**. 2009. Converting pasture land to native-plant-dominated grassland: a case study (Montana). *Ecological Restoration* (in press).
- James, J. J., **J.M. Mangold**, and R. L. Sheley. 2009. Root plasticity of native and invasive Great Basin species in response to soil nitrogen heterogeneity. *Plant Ecology* 202:211-220.
- Young, K. and **J. Mangold**. 2008. Medusahead (*Taeniatherum caput-medusae*) outperforms squirreltail (*Elymus elymoides*) through interference and growth rate. *Invasive Plant Science and Management* 1(1):73-81.
- Mangold, J.M.** and R.L. Sheley. 2008. Controlling performance of bluebunch wheatgrass and spotted knapweed using nitrogen and sucrose amendments. *Western North American Naturalist* 68(2):129-137.
- Mangold, J.M.**, C.L. Poulsen, and M.F. Carpinelli. 2007. Revegetating Russian knapweed (*Acroptilon repens*) infestations using morphologically diverse species and seedbed preparation. *Rangeland Ecology and Management* 60:000-000. In press (July).
- Pokorny, M.L. and **J.M. Krueger-Mangold**. 2007. Evaluating the success of Montana's Dyer's Woad (*Isatis tinctoria*) Cooperative Eradication Program. *Weed Technology*. 21:262-269.
- Mangold, J.** and R. Sheley. 2007. Effect of soil texture, watering frequency, and a hydrogel on the emergence and survival of coated versus uncoated crested wheatgrass seeds. *Ecological Restoration*. 25:6-11.
- Krueger-Mangold, J.**, R. Sheley, and R. Engel. 2006. Can R\*s predict invasion in semi-arid grasslands? *Biological Invasions* 8:1343-1354.
- Sheley, R.L., **J.M. Mangold**, and J.L. Anderson. 2006. Potential for successional theory to guide restoration of invasive-plant-dominated rangeland. *Ecological Monographs* 76(3):365-379.
- Krueger-Mangold, J.**, R. Sheley, and T. Svejcar. 2006. Toward ecologically-based invasive plant management on rangeland. *Weed Science*. 54:597-605.

### Reviewed Publications (last 5 years)

- Mangold, J.M.** In press. Revegetation: Using Current Technologies and Ecological Knowledge to Manage Site Availability, Species Availability, and Species Performance, in *Invasive Plant Ecology and Management: Linking Processes to Practice*, [Eds. Thomas Monaco and Roger Sheley]. CABI Publishing, Wallingford, UK.
- Taylor, K., F. Pollnac, T. Brummer, **J. Mangold**, and L. Rew. 2011. Washing vehicles to prevent weed seed dispersal. MT201106AG. Montana State University Extension. Bozeman, MT.

- Taylor, K., **J. Mangold**, and L. Rew. 2011. Weed seed dispersal by vehicles. MT201105AG. Montana State University Extension. Bozeman, MT.
- Duncan, C., J. Story, R. Sheley, H. Parkinson and **J. Mangold**. 2011. Biology, ecology, and management of Montana knapweeds. EB0204. Montana State University Extension. Bozeman, MT.
- Goodwin, K., M. Graves-Medley, and **J. Mangold**. 2011. Biology, ecology and management of whitetop. EB0138. Montana State University Extension. Bozeman, MT.
- Jacobs, J., M. Pokorny, **J. Mangold**, and M. Medley. 2011. Biology, ecology and management of yellowflag iris (*Iris pseudacoris*). EB203. Montana State University Extension. Bozeman, MT.
- Parkinson, H. and **J. Mangold**. 2011. Yellow starthistle: Identification, biology, and integrated management. MT201101AG. Montana State University Extension. Bozeman, MT.
- Pokorny, M., **J. Mangold**, and R. Kittle. 2010. Biology, ecology and management of black henbane. MT . Montana State University Extension, Bozeman, MT.  
<http://msuextension.org/publications/AgandNaturalResources/MT201005AG.pdf>
- Grubb, R.T., R.L. Sheley, R.D. Carlstrom, **J. Mangold**, and E. Lehnhoff. 2010. Saltcedar (Tamarisk). MT199710AG. Montana State University Extension, Bozeman, MT.  
<http://msuextension.org/publications/AgandNaturalResources/MT199710AG.pdf>
- Graves, M., **J. Mangold**, and J. Jacobs. 2010. Biology, ecology, and management of blueweed (*Echium vulgare* L). EB0195. Montana State University Extension. Bozeman, MT.  
<http://msuextension.org/publications/AgandNaturalResources/EB0195.pdf>
- Parkinson, H., **J. Mangold**, and J. Jacobs. 2010. Biology, ecology, and management of hoary alyssum (*Berteroa incana* L). EB0194. Montana State University Extension. Bozeman, MT.  
<http://msuextension.org/publications/AgandNaturalResources/EB0194.pdf>
- Parkinson, H. **J. Mangold**, J. Jacobs, J. Madsen, and J. Halpop. 2010. Biology, ecology, and management of Eurasian watermilfoil (*Myriophyllum spicatum* L.). EB0193. Montana State University Extension. Bozeman, MT.  
<http://msuextension.org/publications/AgandNaturalResources/EB0193.pdf>
- Mangold, J.**, R. Sheley, and M. Brown. 2009. Oxeye daisy: identification, biology and integrated management. MT2000002AG. Montana State University Extension, Bozeman, MT.
- Rinella, M., R. Sheley, **J. Mangold**, and R. Kittle. 2009. Orange and meadow hawkweed complex. MT199816AG. Montana State University Extension, Bozeman, MT.
- Kedzie-Webb, S., R.L. Sheley, **J. Mangold**, and M. Brown. 2009. Houndstongue: identification, biology and integrated management. MT199709AG. Montana State University Extension, Bozeman, MT.
- Mangold, J.** and M. Brown. 2009. St. Johnswort: identification, biology and integrated management. MT199810AG. Montana State University Extension, Bozeman, MT.
- Graves, M., **J. Mangold** and J. Jacobs. 2009. Ecology and Management of Blueweed (*Echium vulgare* L.). USDA-NRCS Invasive Species Technical Note No. MT-26. [ftp://ftp-fc.sc.egov.usda.gov/MT/www/technical/invasive/Invasive\\_Species\\_Tech\\_Note\\_MT26.pdf](ftp://ftp-fc.sc.egov.usda.gov/MT/www/technical/invasive/Invasive_Species_Tech_Note_MT26.pdf)
- Jacobs, J. and **J. Mangold**. 2009. Ecology and management of Eurasian watermilfoil (*Myriophyllum spicatum* L.). USDA-NRCS Invasive Species Technical Note No. MT-23.  
[http://www.mt.nrcs.usda.gov/technical/ecs/invasive/technotes/InvasiveTN\\_23/index.htm](http://www.mt.nrcs.usda.gov/technical/ecs/invasive/technotes/InvasiveTN_23/index.htm).
- Sheley, R., **J. Mangold**, K. Goodwin, and J. Marks. 2008. Revegetation guidelines for the Great Basin: Considering Invasive Weeds. ARS-168. U.S. Department of Agriculture, Agricultural Research Service, Washington, D.C., 60 pp.
- Menalled, F., **J. Mangold**, and E. Davis. 2008. Cheatgrass: Identification, Biology, and Integrated Management. MT200811AG. Montana State University Extension, Bozeman, MT.
- Pokorny, M. and **J. Mangold**. 2008. Montana's Noxious Weeds. Montana State University Extension, Bozeman, MT. 79 pp.

### **Presentations**

32 invited presentations

23 papers presented at professional meetings

150+ Extension presentations

### **Awards**

2009 Society for Range Management Outstanding Young Range Professional

2007 Agricultural Research Service Certificate of Merit for Outstanding Performance