



David L. Price, PhD

Research Ecologist

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Education:

- B.S., Fort Hays State University, Hays, KS, 1976, Zoology
- M.S., Fort Hays State University, Hays, KS, 1978, Botany
- Ph.D., New Mexico State University, Las Cruces, NM, 1985, Range Science and Plant Ecology

Research and Career Interests:

- Ecological linkages between soil microbial and plant communities
- Indicators of ecological change and thresholds
- System-wide watershed restoration and management
- Decision analysis & ecological risk assessment
- Invasive species (terrestrial and wetland plants)
- Application of linked ecological and hydrological numerical models
- Supervisory role for interdisciplinary working groups

Representative Projects:

- Soil microbial and plant interactions in arid environments
- Long-term ecological monitoring, Ft. Benning, GA
- Cibolo Creek watershed restoration (Ft. Worth District)
- Coupled models for system-wide watershed analysis and restoration

Peer Reviewed Publications:

- Meyer, M. C., D. L. Price, J. Fleckenstein, E. Schnug, T. McLendon 2004. Uptake of munitions-derived depleted uranium by three grasses. *Journal of Plant Nutrition* 27:1415-1429.

- Childress, W. Michael, Cade L. Coldren, and Terry McLendon. 2002. Applying a complex, general ecosystems model (EDYS) in large-scale land management. *Ecological Modelling* 153 (2002) 97-108.
- Fang, Shoufan, George Gertner, and David Price. 2001. Uncertainty Analyses of a Process Model When Vague Parameters Are Estimated with Entropy and Bayesian Methods. *J. For. Res.* 6: 13-19.
- Whitecotton, Randy C.A., Mark B. David, Robert G. Darmody, and David L. Price. 2000. The Impact of Foot Traffic from Military Training on Soil and Vegetation Properties. *Environmental Management.* 26:697-706.
- Brown, J. R., J. E. Herrick, and D. L. Price. 1999. Managing low-output agroecosystems sustainably: the importance of ecological thresholds. *Canadian Journal of Forest Research.* 29: 1112-1119.
- Childress, W. Michael, Terry McLendon, and David L. Price. 1999. A Multi-scale Ecological Model for Allocation of Training Activities on U.S. Army Installations. Pages 80-108. In: Jeffrey M. Klopatek and Robert H. Gardner (eds.) *Landscape Ecological Analysis: Issues, Challenges, and Ideas.* Ecological Studies Series. Springer Verlag. New York.
- Meyer, Michael C., Terry McLendon, and David L. Price. 1998. Evidence of depleted uranium-induced hormesis and differential plant response in three grasses. *Journal of Plant Nutrition.* 21:2475-2484.
- Meyer, Michael C., Mark W. Paschke, Terry McLendon, and David L. Price. 1998. Decreases in soil microbial function and functional diversity in response to depleted uranium. *Journal of Environmental Quality.* 27:1306-1311.
- Price, D. L., G. B. Donart and G. Morris Southward. 1989. Growth Dynamics of Fourwing Saltbush as Affected by Different Grazing Management Systems. *J. Range Manage.* 42: 158-162.
- Price, D. L. and R. K. Heitschmidt. 1989. Reduction in Belowground Biomass Estimates from Freezing of Root Cores. *Plant and Soil.* 116:273-274.