

Dr. Douglas S. Cram

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EDUCATION

Ph.D.	Range Science	New Mexico State University	2010
M.S.	Forest Resources	Oklahoma State University	2001
B.S.	Wildlife Science	New Mexico State University	1996

PROFESSIONAL EXPERIENCE

New Mexico State University

2013- Present	Assistant Professor / Extension Forestry and Fire Specialist Extension Animal Sciences and Natural Resources Department
2009 –2012	College Assistant Professor Extension Animal Sciences and Natural Resources Department
2006 – 2010	Graduate Student Range Science Department Advisor: Dr. Terrell T. “Red” Baker Dissertation: <i>Ecological and Management Implications of Increased Conifer Density in Forests of the Southwest: From Piñon-Juniper to Mixed Conifer</i>
2002 – 2009	Research Specialist Cooperative Extension Service

University of Hawaii at Mānoa

2012 – 2013	Assistant Professor / Extension Wildland Fire Specialist Natural Resources and Environmental Management Department
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PEER-REVIEWED PUBLICATIONS

- 1) Cram, D. C. Hatch, S. Tyler, C, Ochoa. 2016. Use of distributed temperature sensing technology to characterize fire behavior. *Sensors* (16)10, 1712.
- 2) Masters, R., Montegue, W., Cram, D. 2016. Northern bobwhite autumn and winter food habits in restored pine-bluestem habitats. *Wildlife Society Bulletin* 40(2):300–309.
- 3) Cram, D., T. Baker, A. Fernald, A. Cibils, D. VanLeeuwen. 2015. Fuel and vegetation trends after fire in treated versus untreated forests. *Forest Science* 61:753–762.

- 4) Cram, D., S. Cordell, J.B. Friday, C. Giardina, C.L. Litton, E. Moller, E. Pickett. 2013. Fire and drought in paradise – say it isn't so, Smokey. *Rural Connections* 7:19–22.
- 5) Wood, K., R. Scalon, D. Cram. 2012. Occurrence of sprouts and seedlings of pinyon pines, alligator junipers, and gray oaks following harvest of fuelwood and prescribed burning. *Southwestern Naturalist* 57:51–57.
- 6) Cram, D., R. Masters, F. Guthery, D. Engle, W. Montague. 2009. Usable space versus food quantity in bobwhite management. *Quail VI*:146–159.
- 7) Masters, R., F. Guthery, R. Walsh, D. Cram, W. Montague. 2009. Usable space versus habitat quality in forest management for bobwhites. 2009. *Quail VI*:184–192.
- 8) Cabrera, V., L. Stavast, T. Baker, M. Wood, D. Cram, R. Flynn, A. Ulery. 2009. Soil and runoff response to dairy manure application on New Mexico rangeland. *Agriculture, Ecosystems and Environment* 131:255–262.
- 9) Mason, J., T. Baker, D. Cram, J. Boren, A. Fernald, D. VanLeeuwen. 2009. Mechanical fuel treatment effects on midstory and understory vegetation in a south central New Mexico dry mixed conifer forest. *Forest Ecology and Management* 257:868–875.
- 10) Cram, D., T. Baker, A. Fernald, A. Madrid, B. Rummer. 2007. Mechanical thinning impacts on runoff, infiltration, and sediment yield following fuel reduction treatments in a Southwestern dry mixed conifer forest. *Journal of Soil and Water Conservation* 62:359–366.
- 11) Cram, D., T. Baker, A. Fernald, C. Allison, A. Madrid, R. Rummer. 2007. Reducing the impacts of mechanical thinning in a southwestern forest. Technical Transfer Briefing, *Journal of Soil and Water Conservation* 62(5):121A.
- 12) Mason, G., T. Baker, D. Cram, J. Boren, A. Fernald, D. VanLeeuwen. 2007. Mechanical fuel treatment effects on fuel loads and indices of crown fire potential in a south central New Mexico dry mixed conifer forest. *Forest Ecology and Management* 251:195–204.
- 13) Cram, D., T. Baker, J. Boren. 2006. Wildland fire effects in silviculturally treated vs. untreated stands of New Mexico and Arizona. Research Paper RMRS-RP-55. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 28 p.
- 14) Stavast, L., T. Baker, A. Ulery, R. Flynn, M. Wood, D. Cram. 2005. New Mexico blue grama rangeland response to dairy manure application. *Rangeland Ecology and Management* 58:423–429.
- 15) Cram, D., R. Masters, F. Guthery, D. Engle, W. Montague. 2002. Northern bobwhite population and habitat response to pine-grassland restoration. *Journal of Wildlife Management* 66:1031–1039.
- 16) Masters, R., C. Wilson, D. Cram, G. Bukenhofer, R. Lochmiller. 2002. Influence of ecosystem restoration for red-cockaded woodpeckers on breeding bird and small mammal communities. Pages 73–90 in Ford, W., K. Russell, and C. Moorman, editors. Proceedings: The Role of Fire for Nongame Wildlife Management and Community Restoration: Traditional Uses and New Directions; 2000 September 15, Nashville, Tennessee. General Technical Report NE-GTR-288. Newtown Square, Pennsylvania, U.S. Department of Agriculture, Forest Service, Northeastern Research Station.

- 17) Masters, R., C. Wilson, D. Cram, G. Bukenhofer. 2001. Reintroduction of fire benefits breeding birds in pine-grasslands (Arkansas). *Ecological Restoration* 19:265–266.
- 18) Gallegos, A., G. Gonzales, K. Bennett, L. Pratt, D. Cram. 1997. A spatially-dynamic preliminary risk assessment of the American peregrine falcon at the Los Alamos National Laboratory. Los Alamos National Laboratory Report LA-13321-MS.

COOPERATIVE EXTENSION & OUTREACH PUBLICATIONS

- 1) Cram, D., N. Ashcroft, S. Smallidge, L. Owens. 2017. An introduction to NEPA - National Environmental Policy Act of 1969. New Mexico State University, Cooperative Extension Service, Range Improvement Task Force Report 85.
- 2) Cram, D. 2016. Water and watersheds. Watershed Health in New Mexico. Circular published by New Mexico Department of Agriculture.
- 3) Cram, D., R. Sabie. 2016. Potential postfire debris flow in the La Jara watershed. NM Stockman – February.
- 4) Cram, D. 2016. Wildland fire use. NM Stockmen – July.
- 5) Smallidge, S., H. Halbritter, T. Baker, N. Ashcroft, D. Cram, J. Fowler. 2015. Elk and livestock in New Mexico: issues and conflicts on private and public Lands. New Mexico State University, Cooperative Extension Service, Range Improvement Task Force Report 82.
- 6) Cram, D., C. Trauernicht. 2015. Post-fire vegetation and soil monitoring in Hawaii. University of Hawaii, College of Tropical Agriculture and Human Resources. RM-19.
- 7) Cram, D. 2015. Preparing for wildfires: moving from crisis to opportunity. NM Stockman – April.
- 8) Cram, D. 2015. Burning issues. Wildfire Season in New Mexico. Circular published by New Mexico Department of Agriculture.
- 9) Cram, D. 2014. Post-fire treatments – a primer for NM communities. In: After Wildfire – A Guide for New Mexico Communities (<http://afterwildfirenm.org/>) (<http://afterwildfirenm.org/additional-resources/site-pdfs/post-fire-treatments-pdf>).
- 10) Ashcroft, N., Smallidge, S., Cram, D. 2014. Scientific review of December 14, 2010, U.S. Fish and Wildlife Service proposal to list the dunes sagebrush lizard as endangered under the Endangered Species Act. New Mexico State University, Cooperative Extension Service, Range Improvement Task Force Report 84.
- 11) Stevens, B., J.B. Friday, D. Cram, C. Trauernicht. 2014. Protecting tree plantations from fire in Hawaii. University of Hawaii, College of Tropical Agriculture and Human Resources. RM-18.
- 12) Cram, D., A. Moore. 2014. Philmont forestry card. Philmont Scout Ranch P-4690.
- 13) Cram, D. 2014. For better or worse, spring (fire season) has arrived in New Mexico. NM Stockmen – May.

- 14) Cram, D. 2013. Edited and/or wrote 40 Frequently Asked Questions. eXtension – Prescribed Fire Community of Practice. www.extension.org/prescribed_fire
- 15) Cram, D., T. Baker. 2012. Startup guide for forestry and wood products cooperatives in New Mexico. New Mexico Cooperative Extension Service Publication, Guide Z-117.
- 16) Hawkes, J., D. Cram. 2012. Regulatory steps necessary to ‘cooperate’ in New Mexico. New Mexico Cooperative Extension Service Publication, Guide Z-118.
- 17) Cram, D. 2012. There is fire in heaven on earth. High Country – Publication of the Philmont Staff Association 35:8-11.
- 18) Cram, D., T. Baker. 2012. Fire – A new paradigm or old advocacy? New Mexico Stockman – May.
- 19) Hawkes, J., C. Ely, B. Hadley, and D. Cram. 2010. Economic analysis of equipment used for small-diameter timber removal. New Mexico Cooperative Extension Service Publication, Guide Z-116.
- 20) Baker, T. and D. Cram. Riparian vegetation response to grazing in southwestern mountains. New Mexico Stockman Magazine – February 2005.
- 21) Cram, D., and T. Baker. Fuel and Forage Management in Southwestern Forests. New Mexico Stockman Magazine – March 2004.