

CURRICULUM VITAE

ROGER ALLEN BALDWIN

Department of Wildlife, Fish, and Conservation Biology
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EDUCATION

Ph.D. Wildlife Science/Range Science, Department of Animal and Range Sciences

New Mexico State University, Las Cruces, NM 88003. February 2008.

- Studied the interrelationship among population demographics, habitat utilization, critical habitats, food habits, and condition of black bears in Rocky Mountain National Park, Colorado.

M.S. Biology, Emphasis on Vertebrate Zoology

The University of Memphis, Memphis, TN 38152. August 2003.

- Studied the influence of microhabitat factors on the occurrence of raccoons, opossums, and striped skunks in southwestern Tennessee.

B.S. Wildlife Biology, Secondary Major in Natural Resource and Environmental Science

Kansas State University, Manhattan, KS 66506. May 2000.

WORK EXPERIENCE

Assistant (July 2013 to June 2015) and Associate (July 2015 to Present) Cooperative Extension Specialist—Human-Wildlife Conflict Resolution

University of California Cooperative Extension, Department of Agriculture and Natural Resources; and Department of Wildlife, Fish, and Conservation Biology, University of California, Davis. One Shields Ave., Davis, CA 95616.

- Designed and conducted studies on a variety of issues pertaining to human-wildlife conflict in California.
- Served as Associate Director of Natural Resources for Statewide IPM Program (2012–2015).
- Prepared Pest Management Guidelines, Pest Notes, and book chapters on wildlife pest management for the University of California.
- Extended information on wildlife pest control to University faculty and staff, students, federal and state personnel, Pest Control Advisors, and private citizens through oral presentations, written articles, and personal consultations.
- Refereed peer reviewed articles and book chapters on wildlife pest control.

Assistant (June 2008 to June 2011) and Associate (July 2011 to June 2013) Cooperative Extension Advisor—Wildlife Pest Management

University of California Cooperative Extension, Integrated Pest Management Program, Department of Agriculture and Natural Resources. Kearney Agricultural Research & Extension Center, 9240 South Riverbend Ave., Parlier, CA 93648.

- Designed and conducted studies on a variety of issues pertaining to human-wildlife conflict in California.
- Currently serving as Associate Director of Natural Resources for Statewide IPM Program.
- Prepared Pest Management Guidelines, Pest Notes, and book chapters on wildlife pest management for the University of California.
- Extended information on wildlife pest control to University faculty and staff, students, federal and state personnel, Pest Control Advisors, and private citizens through oral presentations, written articles, and personal consultations.
- Refereed peer reviewed articles and book chapters on wildlife pest control.

Wildlife Specialist

New Mexico Cooperative Fish and Wildlife Research Unit. New Mexico State University, P.O. Box 30003, MSC 4901, Las Cruces, NM 88003. August 2007 to June 2008.

- Assisted with population and habitat studies on mountain lions, mule deer, elk, and oryx.
- Was responsible for organizing, writing, and proofreading annual and final reports for NMCFWRU projects.

Graduate Research Assistant

New Mexico Cooperative Fish and Wildlife Research Unit. New Mexico State University, P.O. Box 30003, MSC 4901, Las Cruces, NM 88003. June 2003 to July 2007.

Graduate Teaching Assistant

Department of Biology, The University of Memphis, 3700 Walker Ave., Memphis, TN 38152. August 2000 to May 2003.

Graduate Teaching Assistant

Department of Zoology, University of Oklahoma, 730 Van Vleet Oval Rm 314, Norman OK 73019. August 2000.

Research Assistant

Kansas Cooperative Fish and Wildlife Research Unit, Kansas State University, Manhattan, KS 66506. August 1997 to May 2000.

Research Assistant

Division of Biology, Kansas State University, Manhattan, KS 66506. May 1999 to May 2000.

TEACHING EXPERIENCE

Graduate Teaching Assistant (2000–2003; University of Memphis)

General Biology 1 lab, General Biology 2 lab, Anatomy and Physiology 1 lab, Anatomy and Physiology 2 lab, General Ecology lab.

Graduate Teaching Assistant (2000; University of Oklahoma)

Field Mammalogy

Guest Lectures and Labs

Vertebrate pest management lecture, 2008–2012; Pesticides (PLTH 102); California State University, Fresno.

Vertebrate pest management lab, 2009–2010; Pesticides (PLTH 102); California State University, Fresno.

Vertebrate pest management lecture, 2010–2016; Integrated Pest Management (PLS 105); University of California, Davis.

Vertebrate pest management lab, 2011–2016; Integrated Pest Management (PLS 105); University of California, Davis.

Vertebrate pest management lab, 2012; Integrated Pest Management (PLTH 108); California State University, Fresno.

Conflicts between agriculture and wildlife, 2014; Biodiversity and Agroecology (WFC 198/290); University of California, Davis.

Human-wildlife conflict, Spring and Fall Quarters 2014–2016; Wildlife Ecology and Conservation (WFC 10); University of California, Davis.

Vertebrate pest management—an IPM approach, 2014; Integrated Pest Management (AGRI 70); Santa Rosa Junior College.

Montane Coniferous Forests, 2015–2016; Natural History of California's Wild Vertebrates (WFC 50); University of California, Davis.

Managing California vole populations in artichokes using an IPM approach, 2015, 2017; Ecology of Human-Wildlife Conflicts (WFC 152); University of California, Davis.

Vertebrate pest management—an IPM approach, 2017; Urban Agriculture and Aquaponics (ENVS 147); California State University, Sacramento.

Graduate Student Committees

M.S. student committees include: L. Sellers and K. Miles—2015.

Ph.D. student committees include: K. Wolf –2016; J. Aliperti, J. Brazeal, J. Peaden—Completion dates pending

RESEARCH FUNDING (Principal Investigator unless otherwise noted)

Extramural grants (Total = \$1,235,622)

\$155,720—An assessment of secondary toxicity risk for 0.005% diphacinone treated grain via three application strategies for California ground squirrels. Vertebrate Pest Control Research Advisory Committee (July 2017 – June 2019).

\$76,040—What can spatial dynamics tell us about the relative importance of crop lands and rangelands for wild pig (*Sus scrofa*) habitat use? Vertebrate Pest Control Research Advisory Committee (July 2016 – June 2018).

\$21,850— Refinement of zinc phosphide-coated cabbage for Belding's ground squirrel control. Vertebrate Pest Control Research Advisory Committee (January 2016 – August 2016).

\$63,266— Assessing efficacy of zinc phosphide-coated cabbage for Belding's ground squirrel control. Vertebrate Pest Control Research Advisory Committee (January 2016 – July 2016).

\$90,882—Testing efficacy of anthraquinone as a vole repellent in citrus. Specialty Crop Block Grant (December 2015 – May 2018).

\$27,427— Maintenance of VPCRAC website and update of Vertebrate Pest Control Handbook. Vertebrate Pest Control Research Advisory Committee (July 2015 – June 2017).

\$8,658—Ground squirrel best management practices website: expansion of passive extension capacities. Vertebrate Pest Control Research Advisory Committee (July 2015 – June 2017; Co PI).

\$76,908— Encouraging owl predation of rodents by erecting owl boxes: myth or potential management strategy? Vertebrate Pest Control Research Advisory Committee (May 2015 – June 2016).

\$43,572— A field test of rodenticides for pocket gopher (*Thomomys* spp.) control. Vertebrate Pest Control Research Advisory Committee (Feb 2015 – August 2015).

\$26,956—Assessing the efficacy of carbon monoxide producing machines at controlling burrowing rodents. Vertebrate Pest Control Research Advisory Committee (March 2014 – August 2014).

\$29,557—Maintenance of VPCRAC website. Vertebrate Pest Control Research Advisory Committee (January 2014 – June 2015).

\$48,248—Identifying possible alternative baits to replace strychnine for pocket gopher (*Thomomys* spp.) control. Vertebrate Pest Control Research Advisory Committee (October 2013 – June 2014; Co PI).

\$33,127—Evaluation and development of bird-repellent rodenticide baits for California rodents. Vertebrate Pest Control Research Advisory Committee (January 2013 – June 2013; Co PI).

\$71,084—Field efficacy trial of an artichoke bract-treated cholecalciferol + diphacinone bait for California vole control. Vertebrate Pest Control Research Advisory Committee (December 2012 – June 2014; Co PI).

\$42,593—Development of a management program to control voles in seed alfalfa. Vertebrate Pest Control Research Advisory Committee (February 2013 – June 2014).

\$10,000—Development of a management program to control voles in seed alfalfa. Alfalfa Seed Board, (February 2013 – June 2014).

\$38,970—Test of efficacy of cholecalciferol + diphacinone bait for California vole control. Vertebrate Pest Control Research Advisory Committee (November 2011 – May 2012; Co PI).

\$8,583—Identifying the level of use of aluminum phosphide for controlling burrowing pests in California. Vertebrate Pest Control Research Advisory Committee (April 2011 – December 2011).

\$106,033—Reregistration of CDFFA baits for control of roof rats and deer mice in agricultural fields. Vertebrate Pest Control Research Advisory Committee (April 2010 – March 2012).

\$94,012—Development of an integrated pest management program for vole control in artichokes. Vertebrate Pest Control Research Advisory Committee (April 2010 – March 2012).

\$127,197—Development of an integrated pest management program for vole control in artichokes. Specialty Crop Block Grant (October 2009 – September 2011).

\$34,939—Vertebrate pest research “Needs Assessment” for California. Vertebrate Pest Control Research Advisory Committee (April 2009 – June 2011).

Intramural grants (Total = \$251,071)

\$15,000—Development of wild pig (*Sus scrofa*) damage quantification app for smartphone use. University of California Division of Agriculture and Natural Resources, Renewable Resources Extension Act (RREA) Project and Student Intern Grants Program (December 2015 – August 2016; Co PI).

\$205,718—Subsurface drip irrigation for alfalfa to improve WUE and protect water quality. University of California Division of Agriculture and Natural Resources Competitive Grants Program (April 2014 – June 2016; Co PI).

\$5,000—Assessing rodent use of hedgerows on farms in California’s Central Valley for food safety protection, Statewide IPM Program, University of California Cooperative Extension (October 2013 – June 2014).

\$4,995—Determining the efficacy and cost effectiveness of pocket gopher control practices in alfalfa. Statewide IPM Program, University of California Cooperative Extension (January 2013 – June 2013).

\$9,868—Determining and demonstrating the importance of training and experience in trapping and baiting programs for controlling pocket gophers. Statewide IPM Program, University of California Cooperative Extension (February 2011 – May 2011).

\$10,490—Determining and demonstrating effective trapping studies for gophers to promote trapping as part of an IPM approach. Statewide IPM Program, University of California Cooperative Extension (April 2009 – December 2009).

Industry/programmatic funding and in-kind support (Total = \$160,051)

\$25,711—Field efficacy of 0.005% diphacinone pellets for control of California ground squirrels through spot treatments and broadcast applications. Bell Laboratories, Inc.–Donation (May – August 2014).

\$15,274—A test of potential pocket gopher repellents for use in subsurface drip irrigation. Netafim LTD.–Donation (October 2014 – February 2015).

\$24,821—Field efficacy of 0.005% diphacinone pellets for control of California ground squirrels. Bell Laboratories, Inc.–Donation (May – August 2013).

\$7,000—Comparing the efficacy, cost effectiveness, and ease of use of the Topcat and Gophinator pocket gopher traps. Andermatt Biocontrol AG–Donation (October 2012 – May 2013).

\$5,550—Identifying the level of use of aluminum phosphide for controlling burrowing pests in California. Various industries–Donation (April 2011 – December 2011).

\$25,980—Field efficacy of Rozol wheat bait for control of Belding’s ground squirrels. Liphatech, Inc.–Donation (March 2011 – June 2011).

\$2,807—A test of four attractants for increasing capture success of pocket gophers. University of California's Intermountain Research and Extension Center; and Siskiyou County Cooperative Extension office—In-kind support (March 2010 – April 2010).

\$38,108—Efficacy of three different methods for controlling pocket gophers. Various industries—In-kind support (April 2009 – July 2010).

\$4,800—Fumigation of California ground squirrels revisited: are fumigants an effective method for controlling ground squirrels? S & J Ranch—In-kind support (April 2009 – May 2009).

\$10,000—Received donation from Vertebrate Pest Council for general support of my program (2009).

UNIVERSITY TEAMS AND COMMITTEES

Co-chair, UC ANR Wildlife Workgroup (2016–Present)

Member of UC Davis Campus Specialist Advisory Committee (2016–2019)

Poster reviewer for UC Davis AggieMentors Science Fair (STEM program focused on underrepresented youth; 2016)

Peer reviewer for University of California Division of Agriculture and Natural Resources competitive grant program (2015)

Dept. of Wildlife, Fish, and Conservation Biology Search Committee for Quantitative Wildlife Ecologist position (2015)

Appointed to the UC Statewide IPM Program Strategic Planning Committee 2014–2015

Member of the Ecology Graduate Group, UC Davis (2014–Present)

Chair of UC ANR Search Committee for Vertebrate Pest Advisor position (2014)

UC ANR Search Committee for Area IPM Advisor position (2013–2014).

Member of the International Agricultural Development Graduate Group, UC Davis (2013–Present)

Leadership Team, UCCE Statewide IPM Program (2012–2015)

Research Advisory Committee, UCCE Intermountain Research and Extension Center (2011–Present)

Academic Planning Committee, Kearney Agricultural Center (2010)

Steering Committee, UC Almond Production Manual (2009)

Proposal Review Committee, UC IPM Demonstration Grant Proposal Program (2009)

PROFESSIONAL ACTIVITIES

Board Member, Conservation Education and Outreach Working Group for The Wildlife Society (2016–2018)

Member, Site Selection Committee, 28th Vertebrate Pest Conference (2016–2017)

Member, Lifetime Achievement Award Committee, Vertebrate Pest Council (2016–2018)

Appointed to the Nominating and Elections Committee for the Wildlife Damage Management Workgroup within The Wildlife Society (2016)

Member, Vertebrate Pest Council/Pesticide Applicators Professional Association Biannual Workshop Committee (2014–2015)

Conference Chair and Plenary Session Chair for the 27th Vertebrate Pest Conference (2014–2016)

Commercial Display Chair for 26th Vertebrate Pest Conference (2012–2014)

Served on the “Ecological Research Center Grant-In-Aid of Research” review committee for The University of Memphis, June 2012

Program Chair and Plenary Session Chair for 25th Vertebrate Pest Conference (2010–2012)

Chair, Vertebrate Pest Council/Pesticide Applicators Professional Association Biannual Workshop Committee (2010–2011; 2012–2013; 2016–2017)

Served on the “Caesar Kleberg Award for Excellence in Wildlife Research” committee for The Wildlife Society for 2009, 2010, and 2016

Student and Poster Chair and Session Chair for 24th Vertebrate Pest Conference (2008–2010)

Peer reviewer for (number of reviews in parenthesis): American Midland Naturalist (2), Animal Biotelemetry (2), Biological Conservation (1), Biological Control (1), Canadian Journal of Forest Research (1), Canadian Journal of Zoology (1), Conservation Biology (1), Crop Protection (10), Ecography (2), Ecological Applications (1), Ecotoxicology (1), Environmental Science and Pollution Research (5), Human-Wildlife Interactions (1), Integrative Zoology (2), International Journal of Pest Management (1), Journal of Current Zoology (1), Journal of Fish and Wildlife Management (1), Journal of Mammalogy (3), Journal of Pest Science (1), Journal of Wildlife Management (6), Journal of Zoology (4), Mammalia (2), Pest Management Science (1), Proceedings of the Vertebrate Pest Conference (31), Rangeland Ecology and Management (1), Southwestern Naturalist (2), Ursus (2), Wildlife Biology (1), and Wildlife Society Bulletin (3)

Peer reviewer for University publications: University of California (5), and New Mexico State University (6)

Peer reviewer for California Department of Fish and Wildlife reports and data sheets (2), as well as manuals for California Department of Public Health (1)

Peer reviewer for California State University Agricultural Research Initiative research proposal program (1) and USDA NIFA Small Business Innovation Research Grants Program (1)

Member of Vertebrate Pest Council since 2008; Executive Board member since 2012

Professional society memberships include (first year of membership in parentheses): The American Society of Mammalogists (2004), The International Bear Association (2003), Pesticide Applicators Professional Association (2008), The Southwestern Association of Naturalists (2001), and The Wildlife Society (1999)

HONORS AND AWARDS

My research on pocket gopher control contributed to E & J Gallo Winery's Sonoma vineyards 2011 Integrated Pest Management Innovator Award

Received \$400 travel grant from The Wildlife Society for travel to the 10th Annual Meeting of The Wildlife Society National Conference, 2003

Received 1st place for student presentation at the 112th Meeting of the Tennessee Academy of Science, 2002

Received 3rd place for student presentation at the 111th Meeting of the Tennessee Academy of Science, 2001

PUBLICATIONS

Peer-Reviewed Journal Publications

Baldwin, R. A., M. Kavermann, R. Meinerz, and S. B. Orloff. *Revision submitted*. Is pressurized exhaust an effective tool against burrowing rodents? *Wildlife Society Bulletin*.

Sellers, L. A., R. F. Long, M. T. Jay-Russell, X. Li, E. R. Atwill, R. M. Engeman, and **R. A. Baldwin**. *In review*. Impact of field-edge habitat on mammalian wildlife abundance, distribution, and vectored foodborne pathogens in adjacent crops. *Agriculture, Ecosystems and Environment*.

Wolf, K. M., M. A. Whalen, R. P. Bourbour, and **R. A. Baldwin**. *In press*. Rodent, snake, and raptor activity in restored perennial native grasslands in California's Central Valley is lower than that in unrestored exotic annual grasslands. *Journal of Applied Ecology*.

Baldwin, R. A., R. Meinerz, and G. W. Witmer. 2017. Novel and current rodenticides for pocket gopher *Thomomys* spp. management in vineyards: what works? *Pest Management Science* 73:118–122.

Witmer, G. W., **R. A. Baldwin**, and R. S. Moulton. 2017. Identifying possible alternative rodenticide baits to replace strychnine baits for pocket gophers in California. *Crop Protection* 92:203–206.

Wolf, K. M., **R. A. Baldwin**, and S. Barry. 2017. Compatibility of livestock grazing and recreational use on coastal California public lands: Importance, interactions, and management solutions. *Rangeland Ecology and Management* 70:192–201.

Baldwin, R. A., R. Meinerz, and S. B. Orloff. 2016. Burrow fumigation versus trapping for pocket gopher (*Thomomys* spp.) management: a comparison of efficacy and cost effectiveness. *Wildlife Research* 43:389–397.

Baldwin, R. A., R. Meinerz, and G. W. Witmer. 2016. Cholecalciferol plus diphacinone baits for vole control: a novel approach to a historic problem. *Journal of Pest Science* 89:129–135.

Engeman, R. M., **R. A. Baldwin**, and D. I. Stetson. 2016. Guiding the management of an agricultural pest: indexing abundance of California meadow voles in artichoke fields. *Crop Protection* 88:53–57.

- Werner, S. J., S. T. DeLiberto, **R. A. Baldwin**, and G. W. Witmer. 2016. Repellent application strategy for wild rodents and cottontail rabbits. *Applied Animal Behaviour Science* 185:95–102.
- Wolf, K., **R. A. Baldwin**, and R. P. Bourbour. 2016. Restoration is best for wildlife, right? Lessons learned and applications to grassland habitat management. *Grasslands* 26:7–10.
- Baldwin, R. A.**, A. Chapman, C. P. Kofron, R. Meinerz, S. B. Orloff, and N. Quinn. 2015. Refinement of a trapping method increases utility for pocket gopher management. *Crop Protection* 77:176–180.
- Baldwin, R. A.**, and R. Meinerz. 2015. Using external characteristics for rapid identification of gender in pocket gophers. *Western North American Naturalist* 75:251–258.
- Baldwin, R. A.**, R. Meinerz, H. E. Jantz, and G. W. Witmer. 2015. Impact of capture and transportation methods on survival of small rodents during relocation events. *Southwestern Naturalist* 60:385–389.
- Baldwin, R. A.** 2014. Determining and demonstrating the importance of training and experience for managing pocket gophers. *Wildlife Society Bulletin* 38:628–633.
- Baldwin, R. A.**, R. Meinerz, and S. B. Orloff. 2014. The impact of attractants on pocket gopher trapping. *Current Zoology* 60:472–478.
- Baldwin, R. A.**, N. Quinn, D. H. Davis, and R. M. Engeman. 2014. Effectiveness of rodenticides for managing invasive roof rats and native deer mice in orchards. *Environmental Science and Pollution Research* 21:5795–5802.
- Baldwin, R. A.**, T. P. Salmon, R. H. Schmidt, and R. M. Timm. 2014. Perceived damage and areas of needed research for wildlife pests of California agriculture. *Integrative Zoology* 9:265–279.
- Witmer, G., R. Moulton, and **R. A. Baldwin**. 2014. An efficacy test of cholecalciferol plus diphacinone rodenticide baits for California voles (*Microtus californicus* Peale) to replace ineffective chlorophacinone baits. *International Journal of Pest Management* 60:275–278.
- Baldwin, R. A.**, D. B. Marcum, S. B. Orloff, S. J. Vasquez, C. A. Wilen, and R. M. Engeman. 2013. The influence of trap type and cover status on capture rates of pocket gophers in California. *Crop Protection* 46:7–12.
- Baldwin, R. A.**, T. P. Salmon, R. H. Schmidt, and R. M. Timm. 2013. Wildlife pests of California agriculture: regional variability and subsequent impacts on management. *Crop Protection* 46:29–37.
- Kremen, N. A., C. C. Calvert, J. A. Larsen, **R. A. Baldwin**, T. P. Hahn, and A. J. Fascetti. 2013. Body composition and amino acid concentrations of feline prey species. *Journal of Animal Science* 91:1270–1276.
- Baldwin, R. A.**, and L. C. Bender. 2012. Estimating population size and density of a low-density population of black bears in Rocky Mountain National Park, Colorado. *European Journal of Wildlife Research* 58:557–566.
- Bender, L. C., **R. A. Baldwin**, and J. R. Piasecke. 2012. Habitats occupied by elk (*Cervus elaphus*) in desert grassland-scrublands of northwestern New Mexico. *Southwestern Naturalist* 57:361–369.

- Baldwin, R. A.**, and L. C. Bender. 2010a. Denning chronology of black bears in eastern Rocky Mountain National Park, Colorado. *Western North American Naturalist* 70:48–54.
- Baldwin, R. A.**, and L. C. Bender. 2010b. Development of equations predictive of size and condition for black bears in Rocky Mountain National Park, Colorado. *American Midland Naturalist* 164:44–51.
- Baldwin, R. A.** 2009. Use of maximum entropy modeling in wildlife research. *Entropy* 11:854–866.
- Baldwin, R. A.**, and L. C. Bender. 2009a. Foods and nutritional components of diets of black bear in Rocky Mountain National Park, Colorado. *Canadian Journal of Zoology* 87:1000–1008.
- Baldwin, R. A.**, and L. C. Bender. 2009b. Survival, productivity, and trends of a low density black bear population in Rocky Mountain National Park, Colorado. *Human–Wildlife Conflicts* 3:271–281.
- Baldwin, R. A.**, and L. C. Bender. 2008a. Den-site characteristics of black bears in Rocky Mountain National Park, Colorado. *Journal of Wildlife Management* 72:1717–1724.
- Baldwin, R. A.**, and L. C. Bender. 2008b. Distribution, occupancy, and habitat correlates of American martens (*Martes americana*) in Rocky Mountain National Park, Colorado. *Journal of Mammalogy* 89:419–427.
- Baldwin, R. A.**, P. S. Gipson, G. L. Zuercher, and T. R. Livingston. 2006. The effect of scent-station precipitation covers on visitations by mammalian carnivores and eastern cottontails. *Transactions of the Kansas Academy of Science* 109:3–10.
- Baldwin, R. A.**, A. E. Houston, M. L. Kennedy, and P. S. Liu. 2006. Predicting raccoon (*Procyon lotor*) occurrence through the use of microhabitat variables. *The Canadian Field-Naturalist* 120:225–231.
- Baldwin, R. A.**, A. E. Houston, M. L. Kennedy, and P. S. Liu. 2004. An assessment of microhabitat variables and capture success of striped skunks (*Mephitis mephitis*). *Journal of Mammalogy* 85:1068–1076.

Peer-Reviewed Extension Publications

- Baldwin, R. A.**, T. P. Salmon, and R. E. Marsh. In review. Vertebrate pest management. In: Almond Production Manual. University of California Division of Agriculture and Natural Resources.
- Baldwin, R. A.** 2016. Pest Notes: Tree squirrels. University of California Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74122.
- Baldwin, R. A.**, and T. P. Salmon. 2016. Vertebrate pest management. Pages 295–309 in L. Ferguson and D. R. Haviland, editors. Pistachio Production Manual. University of California Division of Agriculture and Natural Resources, Publication 3545.
- Baldwin, R. A.** 2015. Pest Notes: Opossum. University of California Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74123.

- Baldwin, R. A.** 2015. Pest Notes: Skunks. University of California Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74118.
- Finzel, J. A., and **R. A. Baldwin.** 2015. Pest Notes: Wild pigs. University of California, Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74170.
- Baldwin, R. A.** 2014. Pest Notes: Raccoons. University of California Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74116.
- Baldwin, R. A.** 2014. Vertebrate pest management. Pages 237–252 in J. P. Newman, editor. Container nursery production and business management manual. University of California Division of Agriculture and Natural Resources Publication 3540.
- Quinn, N., and **R. A. Baldwin.** 2014. Managing roof rats and deer mice in nut and fruit orchards. Division of Agriculture and Natural Resources, Publication 8513.
- Baldwin, R. A.** 2013. Vertebrate Pests. In: UC IPM Pest Management Guidelines for Asparagus. University of California Division of Agriculture and Natural Resources, Publication 3435.
- Baldwin, R. A.** and T. P. Salmon. 2012. Pest Notes: Moles. University of California, Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74115.
- Quinn, N., **R. A. Baldwin,** and R. M. Timm. 2012. Pest Notes: Deer Mouse. University of California, Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 74161.
- Varela, L. G., and W. J. Bentley (with **R. A. Baldwin,** A. Shrestha, R. J. Smith, and S. J. Vasquez, contributors). 2011. Vineyard pest identification and monitoring cards. University of California, Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 3532.
- Stetson, D. I., and **R. A. Baldwin.** 2010. Pest Notes: Birds on Tree Fruits and Vines. University of California, Statewide Integrated Pest Management Program, Division of Agriculture and Natural Resources, Publication 21385.
- Baldwin, R. A.** 2009a. Birds. In: UC IPM Pest Management Guidelines for lettuce. University of California Division of Agriculture and Natural Resources, Publication 3450.
- Baldwin, R. A.** 2009b. Vertebrate Pests. In: UC IPM Pest Management Guidelines for cherry. University of California Division of Agriculture and Natural Resources, Publication 3440.
- Salmon, T. P., and **R. A. Baldwin.** 2009. Pest Notes: Pocket Gophers. University of California, Statewide Integrated Pest Management Program, Division of Agricultural and Natural Resources, Publication 7433.

Symposia Proceedings

- Kross, S. M., and **R. A. Baldwin**. 2016. Gopherbusters? A review of the candidacy of barn owls as the ultimate natural pest control option. Proceedings of the Vertebrate Pest Conference *In press*.
- Baldwin, R. A.** 2015. Developing an IPM program for controlling pocket gophers and voles in alfalfa. In: Proceedings, 2015 Western States Alfalfa and Forage Symposium, Reno, NV. <http://alfalfa.ucdavis.edu/+symposium/2015/PDFfiles/Baldwin%20Roger.pdf>
- Baldwin, R. A.** 2014. Closing remarks – Twenty-sixth Vertebrate Pest Conference. Proceedings of the Vertebrate Pest Conference 26:453.
- Baldwin, R. A.,** and S. B. Orloff. 2014. Understanding trapping as a tool to manage pocket gophers. Proceedings of the Vertebrate Pest Conference 26:188–190.
- Quinn, N., D. H. Davis, R. M. Engeman, and **R. A. Baldwin**. 2014. Efficacy of rodenticides for roof rat and deer mouse control in orchards. Proceedings of the Vertebrate Pest Conference 26:196–197.
- Baldwin, R. A.** 2013. Managing burrowing pests in California agriculture. Pages 23–28 *in* Proceedings, 2013 American Society of Agronomy-California Chapter, Visalia, CA.
- Baldwin, R. A.,** R. Meinerz, and S. B. Orloff. 2013. An update on tools for effective management of pocket gophers in alfalfa. Pages 119–124 *in* Proceedings, 2013 Western Alfalfa and Forage Symposium, Reno, NV.
- Witmer, G., K. Horak, R. Moulton, and **R. A. Baldwin**. 2013. New rodenticides: an update on recent research trials. Proceedings of the Wildlife Damage Management Conference 15:79–85.
- Baldwin, R. A.** 2012. The importance of aluminum phosphide for burrowing pest control in California. Proceedings of the Vertebrate Pest Conference 25:151–159.
- Baldwin, R. A.,** and N. Quinn. 2012. The applicability of burrow fumigants for controlling Belding’s ground squirrels in alfalfa. Proceedings of the Vertebrate Pest Conference 25:160–163.
- Hornbaker, V. L., **R. A. Baldwin,** and S. N. Richards. 2012. Fiscal impact of the Rodenticide Risk Mitigation Decision to the California Department of Food and Agriculture’s rodenticide research program. Proceedings of the Vertebrate Pest Conference 25:164–168.
- Baldwin, R. A.** 2011a. Determining and demonstrating the importance of training and experience in trapping and baiting programs for controlling pocket gophers. Pages 15–26 *in* Proceedings, 2011 Grape Day, Kearney Agricultural Research & Extension Center, Parlier, CA.
- Baldwin, R. A.** 2011b. Developing an IPM program for controlling pocket gophers and voles in alfalfa. Pages 49–57 *in* Proceedings, 2011 Alfalfa Seed Production Symposium, Five Points, CA.
- Baldwin, R. A.** 2011c. Developing an IPM program for controlling pocket gophers and voles in alfalfa. Pages 99–107 *in* Proceedings, 2011 Western Alfalfa and Forage Conference, Las Vega, NV.

- Baldwin, R. A.** 2010. Developing an IPM program for controlling pocket gophers in alfalfa. Pages 151–158 in Proceedings, 2010 California Alfalfa and Forage Symposium and Corn/Cereal Silage Conference, Visalia, CA.
- Baldwin, R. A.,** and B. A. Holtz. 2010. Fumigation of California ground squirrels revisited: are fumigants an effective method for controlling ground squirrels. Proceedings of the Vertebrate Pest Conference 24:129–132.
- Hornbaker, V., and **R. A. Baldwin.** 2010. Impact on vertebrate IPM practices from EPA's rodenticide risk mitigation decision. Proceedings of the Vertebrate Pest Conference 24:191–194.
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- Baldwin, R. A.,** and R. Meinerz. 2016. Assessing the efficacy of carbon monoxide producing machines at controlling burrowing rodents. University of California, Davis. Final Report to CDFG.
- Baldwin, R. A.,** and R. Meinerz. 2015. Field efficacy of 0.005% diphacinone pellets for control of California ground squirrels via spot treatment application. University of California, Davis. Final Report to Bell Laboratories, Inc.
- Baldwin, R. A.,** and R. Meinerz. 2015. Maintenance of VPCRAC website. University of California, Davis. Final Report to CDFG.
- Baldwin, R. A.,** R. Meinerz, and G. Witmer. 2015. A field test of rodenticides for pocket gopher (*Thomomys* spp.) control. University of California, Davis. Final Report to CDFG.
- Witmer, G., and **R. A. Baldwin.** 2015. An evaluation of potential repellents for Botta's pocket gophers. Final Report, QA-2285. USDA/APHIS/WS National Wildlife Research Center, Fort Collins, CO.
- Baldwin, R. A.,** and R. Meinerz. 2014. Field efficacy of 0.005% diphacinone pellets for control of California ground squirrels via broadcast application. University of California, Davis. Final Report to Bell Laboratories, Inc.
- Baldwin, R. A.,** and R. Meinerz. 2014. Field efficacy of 0.005% diphacinone pellets for control of California ground squirrels via bait station application. University of California, Davis. Final Report to Bell Laboratories, Inc.
- Baldwin, R. A.,** R. Meinerz, and G. Witmer. 2014. Field efficacy trial of cholecalciferol + diphacinone baits for California vole control. University of California, Davis. Final Report to CDFG.
- Witmer, G., and **R. A. Baldwin.** 2014. Identifying possible alternative rodenticide baits to replace strychnine baits for pocket gophers in California. Final Report QA-2146. USDA/APHIS/WS National Wildlife Research Center, Fort Collins, CO.
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- Baldwin, R. A.** 2011. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Citrograph 2:16–18.
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- Baldwin, R. A.,** and M. Lopez. 2011. An assessment of the attractiveness of three bait types to the California ground squirrel. University of California, Davis, CA. Unpublished report to Liphatech, Inc.
- Baldwin, R. A.,** and T. P. Salmon. 2011. The facts about rodenticides. The Wildlife Professional 5:50–53.
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- Baldwin, R. A.,** and V. Hornbaker. 2010. Upcoming changes in anticoagulant rodenticide registrations. CAPCA Adviser 13:16–18.
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- Baldwin, R. A.** 2009. Incorporating burrow fumigants into an IPM approach for controlling the California ground squirrel. CAPCA Adviser 12:48–50.
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- Baldwin, R. A.,** and L. C. Bender. 2007a. Distribution, occupancy, and habitat correlates of American martens (*Martes americana*) in Rocky Mountain National Park, Colorado. U.S. National Park Service, Rocky Mountain National Park, CO. Final Report.

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- Baldwin, R. A.** 2016a. Effective management of pocket gophers and voles in alfalfa. *Progressive Forage Grower* 17:16–17. <http://www.progressiveforage.com/forage-production/pests-and-diseases/effective-management-of-pocket-gophers-and-voles-in-alfalfa>.
- Baldwin, R. A.** 2016b. Pocket gopher management: don't wait too long! *Almond Notes*, D. Lightle, editor. University of California Cooperative Extension, Butte, Colusa, Glenn, Sacramento, Solano, Sutter, Tehama, Yolo, and Yuba Counties.
- Baldwin, R. A.** 2016c. Pocket gopher management: don't wait too long! *Prune Notes*, D. Lightle, editor. University of California Cooperative Extension, Butte, Colusa, Glenn, Sacramento, Solano, Sutter, Tehama, Yolo, and Yuba Counties.
- Fichtner, E. J., and **R. A. Baldwin**. 2016. March orchard tasks: walnuts. *Pacific Nut Producer* 22:22–25.
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- Baldwin, R. A.** 2013b. Managing ground squirrels and pocket gophers in orchards. *Sacramento Valley Walnut News*, J. Hasey, editor. University of California Cooperative Extension; Colusa, Solano, Sutter, Yolo, and Yuba Counties.
- Baldwin, R. A.** 2012a. A menace to nut crops? Understanding the potential impact and control options for managing squirrels in California. *West Coast Nut Grower Guide* (May issue, pages 14, 16, 18).
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- Baldwin, R. A.** 2012c. Assessment of multiple approaches for controlling gophers in orchards. *Field Notes*. University of California Cooperative Extension, San Joaquin County.
- Baldwin, R. A.** 2012d. Developing a program for controlling pocket gophers. *Progressive Forage Grower* (1 July, 2012, pages 10–11).
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- Baldwin, R. A.** 2011a. New changes in aluminum phosphide labels. *Vine Lines*, S. Vasquez, editor. University of California Cooperative Extension, Fresno County.
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- Baldwin, R. A.** 2011d. Trapping to manage pocket gophers. IPM News for Retail Nursery and Garden Centers 1:4.
- Baldwin, R. A.** 2011e. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Applicators News 26:1–2.
- Baldwin, R. A.** 2011f. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Citrus Notes, N. O’Connell, editor. University of California Cooperative Extension, Tulare County.
- Baldwin, R. A.** 2011g. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Livestock Lines, T. Becchetti, editor. University of California Cooperative Extension, Stanislaus and San Joaquin Counties.
- Baldwin, R. A.** 2011h. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Orchard Notes, J. Hasey, editor. University of California Cooperative Extension, Sutter-Yuba Counties.
- Baldwin, R. A.** 2011i. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Pomology Notes, F. Niederholzer, editor. University of California Cooperative Extension, Sutter-Yuba, Colusa Counties.
- Baldwin, R. A.** 2011j. What do new changes in aluminum phosphide labels mean for burrowing mammal control? Tree Topics, W. Coates, editor. University of California Cooperative Extension, Monterey, San Benito, Santa Clara, and Santa Cruz Counties.
- Baldwin, R. A.** 2010a. An assessment of multiple approaches for controlling gophers in orchards. Orchard Notes, J. Hasey, editor. University of California Cooperative Extension, Sutter and Yuba Counties.
- Baldwin, R. A.** 2010b. An assessment of multiple approaches for controlling gophers in orchards. The Scoop, R. Duncan, editor. University of California Cooperative Extension, Stanislaus County.
- Baldwin, R. A.** 2010c. A comparison of several methods for controlling pocket gophers. Almond Notes, J. H. Connell, editor. University of California Cooperative Extension, Butte County.
- Baldwin, R. A.** 2010d. A comparison of several methods for controlling pocket gophers. Fruit and Nut Notes, R. P. Buchner, editor. University of California Cooperative Extension, Tehama County.
- Baldwin, R. A.** 2010e. A comparison of several methods for controlling pocket gophers. Fruit and Nut Notes, C. DeBuse, editor. University of California Cooperative Extension, Solano and Yolo Counties.
- Baldwin, R. A.** 2010f. Trapping to manage pocket gophers. UC IPM Green Bulletin 1:4.
- Vasquez, S. J., and **R. A. Baldwin.** 2010. Management of gophers. Applicators News 25:1, 4.

- Baldwin, R. A.** 2009a. An assessment of multiple approaches for controlling gophers. Almond Notes, J. H. Connell, editor. University of California Cooperative Extension, Butte County.
- Baldwin, R. A.** 2009b. An assessment of multiple approaches for controlling gophers in vineyards. Tree and Vine Notes, D. Doll and M. Norton, editor. University of California Cooperative Extension, Merced County.
- Baldwin, R. A.** 2009c. An assessment of multiple approaches for controlling gophers in vineyards. Vine Lines, S. Vasquez, editor. University of California Cooperative Extension, Fresno County.
- Vasquez, S. J., and **R. A. Baldwin.** 2009. Management of gophers. Vine Lines, S. J. Vasquez, editor. University of California Cooperative Extension, Fresno County.
- Baldwin, R. A.,** and L. C. Bender. 2006. Assessing the status of black bears in Rocky Mountain National Park. Rocky Mountain Nature Association Quarterly, pp. 8–9.

EXTENSION PRESENTATIONS

- Baldwin, R. A.** Utility of carbon monoxide producing machines for managing burrowing rodents. 18 May, 2017. Contra Costa County IPM Advisory Committee Meeting, Concord, CA.
- Baldwin, R. A.** Using IPM to manage ground squirrels. 11 May, 2017. Pesticide Applicators Professional Association Seminar, Carmichael, CA.
- Baldwin, R. A.,** and N. Quinn. Ground squirrel Best Management Practices website: expansion of passive extension capacities. 3 May, 2017. Vertebrate Pest Control Research Advisory Committee meeting, Susanville, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 27 April, 2017. Santa Clara County Master Gardeners training, San Jose, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 26 April, 2017. San Joaquin County Master Gardeners training, Stockton, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 15 March, 2017. Yuba/Sutter County Master Gardeners training, Yuba City, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 9 March, 2017. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council. Fresno, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 8 March, 2017. Tulare County Master Gardeners training, Tulare, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 7 March, 2017. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council. San Bernardino, CA.
- Baldwin, R. A.** Introduction to Wild Pig Damage App. 7 March, 2017. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council. San Bernardino, CA.

- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 2 March, 2017. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council. Stockton, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 14 February, 2017. Napa County Master Gardeners training, Napa, CA.
- Baldwin, R. A.** An integrated approach to managing gophers. 9 February, 2017. Rotational Crop Grower Meeting-Yolo County CE, Woodland, CA.
- Baldwin, R. A.** Management of pocket gophers—what’s new? 7 February, 2017. Association of Applied IPM Ecologists Pest Management Conference, Napa, CA.
- Baldwin, R. A.** Integrated approach to controlling burrowing rodents. 26 January, 2017. 2017 Utah Hay and Forage Symposium, St. George, UT.
- Baldwin, R. A.** Managing pocket gophers and ground squirrels—what’s new. 17 January, 2017. 2017 Wine Grape Grower Meeting—Green Valley Farm Supply, Gonzales, CA.
- Baldwin, R. A.** An integrated approach to managing gophers in alfalfa. 6 January, 2017. San Joaquin County and Delta Field Crops Meeting, Stockton, CA.
- Baldwin, R. A.** Managing pocket gophers and ground squirrels—what’s new. 8 December, 2016. Pesticide Applicators Professional Association Seminar, Chico, CA.
- Baldwin, R. A.** Using IPM to manage ground squirrels in California. 17 November, 2016. UC DANR Wildlife Workgroup meeting, Davis, CA.
- Baldwin, R. A.** Using IPM to manage ground squirrels. 16 November, 2016. Knocking Out Noxious Weeds on Rangelands Workshop Series, Salinas, CA.
- Baldwin, R. A.** Vertebrate pests of almonds—what’s new? 10 November, 2016. 2016 Almond Short Course, Modesto, CA.
- Baldwin, R. A.** Managing burrowing mammals. 3 November, 2016. Target Specialty Products Workshop Series, Sacramento, CA.
- Baldwin, R. A.** Managing ground squirrels and pocket gophers—what’s new? 27 September, 2016. Pesticide Applicators Professional Association Seminar, Redding, CA.
- Baldwin, R. A.** Managing Belding’s ground squirrels. 4 August, 2016. 2016 Intermountain Research and Extension Center Field Day, Tulelake, CA.
- Baldwin, R. A.** Managing burrowing rodents in specialty crops: what’s new? 21 July, 2016. 2016 California Specialty Crop Tour, Courtland, CA.
- Baldwin, R. A.** Management tools for field rodents: What’s effective? 20 July, 2016. Protecting Farms, Facilities, and Wildlife: A Symposium on Alternatives to Anticoagulant Rodenticides, Camarillo, CA.
- Baldwin, R. A.** Managing burrowing rodents in alfalfa. 24 May, 2016. Subsurface Drip Irrigation for Alfalfa—Netafim Field Day, Knights Landing, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 21 May, 2016. Monterey Bay Master Gardeners training, Watsonville, CA.
- Baldwin, R. A.** Managing pocket gophers in alfalfa. 11 May, 2016. UC Davis Alfalfa/Forages Field Day, Davis, CA.

- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 29 March, 2016. Butte County Master Gardeners training, Chico, CA.
- Baldwin, R. A.** Developing an integrated pest management plan for controlling ground squirrels. 21 March, 2016. San Luis Obispo County Workshop, San Luis Obispo, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 9 February, 2016. Napa County Master Gardeners training, Napa, CA.
- Baldwin, R. A.** Managing ground squirrel populations—A California example. 26 January, 2016. Controlling Ground Squirrels Workshop, Minersville, UT.
- Baldwin, R. A.** Ground squirrel and bird management in pistachios—What’s new? 20 January, 2016. 2016 Pistachio Day, Visalia, CA.
- Baldwin, R. A.** Vertebrate pests with emphasis on nuts—What’s new? 14 January, 2016. Young Almond and Walnut Orchards Workshop, Woodland, CA.
- Baldwin, R. A.** Managing burrowing rodents. 15 December, 2015. Grower Continuing Education Seminar, Sutter County Ag Department, Yuba City, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles in alfalfa. 3 December, 2015. 2015 Western States Alfalfa & Forage Symposium, Reno, NV.
- Baldwin, R. A., J. Brashares, and J. Young.** Human-wildlife conflict with an emphasis on coyote depredation. 2 December, 2015. Living with wildlife while managing working landscapes, Hopland, CA.
- Baldwin, R. A.** Integrated management tools and future opportunities. 2 December, 2015. Living with wildlife while managing working landscapes, Hopland, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 19 November, 2015. Santa Clara County Master Gardeners training, San Jose, CA.
- Baldwin, R. A.** Managing vertebrate pests on walnuts. 17 November, 2015. Advances in walnut production course, Davis, CA.
- Baldwin, R. A.** An integrated approach to controlling pocket gophers. 13 November, 2015. Sonoma Grape Expo, Cloverdale, CA.
- Baldwin, R. A., and G. W. Witmer.** A field test of rodenticides for pocket gopher (*Thomomys* spp.) control. 14 October, 2015. Vertebrate Pest Control Research Advisory Committee meeting, Castroville, CA.
- Baldwin, R. A., L. Sellers, R. Long, and M. Jay-Russell.** Impact of field edge habitat on rodents in adjacent crops. 14 October, 2015. Vertebrate Pest Control Research Advisory Committee meeting, Castroville, CA.
- Baldwin, R. A.** Pocket gopher management. 5 August, 2015. San Mateo CAPCA Continuing Education meeting, San Mateo, CA.
- Baldwin, R. A.** How to manage voles in alfalfa and orchard grass. 30 July, 2015. Summer Forage Field Day, Etna, CA.
- Baldwin, R. A.** Managing burrowing rodents. 21 July, 2015. 2015 California Specialty Crop Tour, Parlier, CA.

- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 3 June, 2015. New Technologies for Arizona Field Crops Workshop, Maricopa, AZ.
- Baldwin, R. A.** Vertebrate pests with an emphasis on almonds – What’s new? 28 May, 2015. 2015 Almond Research Tour, Hamilton City, CA.
- Baldwin, R. A.,** and R. Meinerz. Determining the efficacy of carbon monoxide producing machines at controlling burrowing rodents. 27 May, 2015. Vertebrate Pest Control Research Advisory Committee meeting, Sacramento, CA.
- Baldwin, R. A.,** and R. Meinerz. Development of Vertebrate Pest Control Research Advisory Committee website. 27 May, 2015. Vertebrate Pest Control Research Advisory Committee meeting, Sacramento, CA.
- Baldwin, R. A.** Managing common wildlife pests. 15 May, 2015. Wildlife Pest Control Workshop. Quincy, CA.
- Baldwin, R. A.** Strategies for controlling rodents in alfalfa. 12 May, 2015. UC Davis Alfalfa/Forages Field Day, Davis, CA.
- Baldwin, R. A.** Vertebrate pests with an emphasis on prunes – What’s new? 8 May, 2015. 2015 Prune Research Tour, Red Bluff, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 5 May, 2015. Lassen County Master Gardeners training, Susanville, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 24 April, 2015. El Dorado County Master Gardeners training, South Lake Tahoe, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 25 March, 2015. Yuba County Master Gardeners training, Yuba City, CA.
- Baldwin, R. A.** Developing an integrated pest management plan for controlling ground squirrels. 24 March, 2015. San Luis Obispo County Workshop, Templeton, CA.
- Baldwin, R. A.** An update on tools for effective pocket gopher management. 19 March, 2015. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Escondido, CA.
- Baldwin, R. A.** An update on tools for effective pocket gopher management. 17 March, 2015. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Salinas, CA.
- Baldwin, R. A.** An update on tools for effective pocket gopher management. 12 March, 2015. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Sacramento, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 10 March, 2015. Napa County Master Gardeners training, Napa, CA.
- Baldwin, R. A.** Pocket gopher and ground squirrel pest management in orchards and vineyards. 25 February, 2015. Chico CAPCA Continuing Education meeting, Chico, CA.
- Baldwin, R. A.** Burrowing rodent management in agriculture. 19 February, 2015. Pesticide Applicators Professional Association Seminar, Redding, CA.
- Baldwin, R. A.** Vertebrate pest management in grapes. 13 January, 2015. Lodi Winegrape Commission Workshop, Lodi, CA.

- Baldwin, R. A.** Managing burrowing mammals. 8 January, 2015. San Francisco IPM Technical Advisory Committee Seminar, San Francisco, CA.
- Baldwin, R. A.** Burrowing rodent management. 19 November, 2014. Hot Topics in Vertebrate Pest Management, Catheys Valley, CA.
- Baldwin, R. A.** Vertebrate pests of pistachios—What’s new? 19 November, 2014. 2014 Advances in Pistachio Production Short Course, Visalia, CA.
- Baldwin, R. A.** Pocket gopher management in trees and vines. 18 November, 2014. Grape, Nut, and Tree Fruit Expo, Fresno, CA.
- Baldwin, R. A.** Managing ground squirrel and pocket gopher populations. 6 November, 2014. Napa CAPCA Continuing Education meeting, Napa, CA.
- Baldwin, R. A.,** and G. W. Witmer. Identifying possible alternative baits to replace strychnine for pocket gopher control. 22 October, 2014. Vertebrate Pest Control Research Advisory Committee meeting, South Lake Tahoe, CA.
- Baldwin, R. A.** Managing burrowing mammals. 9 October, 2014. Target Specialty Products Workshop Series, Sacramento, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 18 September, 2014. Progressive Farmers, Blythe, CA.
- Baldwin, R. A.** Managing burrowing rodents. 7 June, 2014. Oregon Pest Control Association – High Desert Seminar, Bend, OR.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 16 May, 2014. El Dorado County Master Gardeners training, San Diego, CA.
- Baldwin, R. A.** Understanding the difference between real and perceived risks associated with rodenticides and burrow fumigants. 7 May, 2014. Orange County Parks Vertebrate Pest Management Training, Irvine, CA.
- Baldwin, R. A.** Wildlife pest management in parks and landscapes. 7 May, 2014. Orange County Parks Vertebrate Pest Management Training, Irvine, CA.
- Baldwin, R. A.** Pocket gopher trapping and baiting techniques. 7 May, 2014. Southern California CAPCA Chapter and UC Cooperative Extension Landscape Workshop, Irvine, CA.
- Baldwin, R. A.** An update on tools for effective pocket gopher management. 7 May, 2014. Southern California CAPCA Chapter and UC Cooperative Extension Landscape Workshop, Irvine, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 6 May, 2014. San Diego County Master Gardeners training, San Diego, CA.
- Baldwin, R. A.,** and G. W. Witmer. Field efficacy trial of an artichoke bract-treated cholecalciferol + diphacinone bait for California vole control. 30 April, 2014. Vertebrate Pest Control Research Advisory Committee meeting, Bakersfield, CA.
- Werner, S., and **R. A. Baldwin (presenter).** Evaluation and development of bird-repellent rodenticide baits for California rodents. 30 April, 2014. Vertebrate Pest Control Research Advisory Committee meeting, Bakersfield, CA.

- Baldwin, R. A.** Managing common vertebrate pests of vineyards. 17 April, 2014. 31st Annual Grape Day, Temecula, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 2 April, 2014. Tulare County Master Gardeners training, Tulare, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 27 March, 2014. Butte County Master Gardeners training, Oroville, CA.
- Baldwin, R. A.** Developing an integrated pest management plan for controlling ground squirrels. 26 March, 2014. San Luis Obispo County Workshop, Templeton, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 25 March, 2014. Lassen County Master Gardeners training, Susanville, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 11 March, 2014. San Mateo County Master Gardeners training, Woodside, CA.
- Baldwin, R. A.** Beyond Wile E. Coyote: pocket gopher and ground squirrel control in agriculture and at home. 11 February, 2014. UC ANR Speaker Series: A Celebration of Science and Service, Tulare, CA.
- Baldwin, R. A.** What's new in vertebrate pest control? 28 January, 2014. Sutter-Yuba County Spray Safe Seminar, Yuba City, CA.
- Baldwin, R. A.** Pocket gopher and ground squirrel pest management in orchards. 17 January, 2014. Sutter-Buttes CAPCA CE meeting, Colusa, CA.
- Baldwin, R. A.** Managing pocket gopher and vole populations. 9 January, 2014. South Sacramento Valley Processing Tomato Production Meeting, Woodland, CA.
- Baldwin, R. A., R. Meinerz, and S. B. Orloff.** An update on tools for effective management of pocket gophers in alfalfa. 12 December, 2013. 2013 Western Alfalfa & Forage Symposium, Reno, NV.
- Baldwin, R. A.** Managing ground squirrels and pocket gopher populations. 9 December, 2013. Sutter County Ag Dept/UCCE Yuba-Sutter Cooperative Extension Grower Continuing Education Seminar, Yuba City, CA.
- Baldwin, R. A.** Integrated approach to controlling burrowing rodents. 6 November, 2013. Target Specialty Products Workshop Series, Chino, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 1 November, 2013. El Dorado County Master Gardeners training, South Lake Tahoe, CA.
- Baldwin, R. A.** Developing an IPM program for managing burrowing vertebrate pests. 29 October, 2013. Pesticide Applicators Professional Association/University of California Statewide IPM Program Seminar, San Mateo, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 14 June, 2013. Amador and El Dorado County Master Gardeners training, Jackson, CA.
- Baldwin, R. A.** Vertebrate pest management – What's new? 13 June, 2013. San Joaquin Valley Winegrowers Association's 6th Annual Research Roadshow, Fresno, CA.
- Baldwin, R. A.** Pocket gopher control in nut crops. 15 May, 2013. Nickels Soil Lab Annual Field day, Arbuckle, CA.

- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 1 May, 2013. Tulare County Master Gardeners training, Tulare, CA.
- Baldwin, R. A., H. E. Jantz, D. I. Stetson, and R. E. Engeman.** Development of an Integrated Pest Management (IPM) program for vole control in artichokes. 24 April, 2013. Vertebrate Pest Control Research Advisory Committee meeting, Stockton, CA.
- Baldwin, R. A.** Vertebrate pest management in riparian areas. 17 April, 2013. Riparian Restoration Methods Workshop, Woodland, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 16 April, 2013. Yuba County Master Gardeners training, Yuba City, CA.
- Baldwin, R. A.** Understanding the difference between real and perceived risks associated with rodenticides and burrow fumigants. 19 March, 2013. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Anaheim, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 19 March, 2013. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Anaheim, CA.
- Baldwin, R. A.** Understanding the difference between real and perceived risks associated with rodenticides and burrow fumigants. 14 March, 2013. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Fresno, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 14 March, 2013. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Fresno, CA.
- Baldwin, R. A.** Understanding the difference between real and perceived risks associated with rodenticides and burrow fumigants. 12 March, 2013. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Oakland, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 12 March, 2013. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Oakland, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 7 March, 2013. Fresno County Master Gardeners training, Fresno, CA.
- Baldwin, R. A.** How to effectively manage vertebrate pests of gardens and landscapes. 6 March, 2013. Advanced IPM Training for UC Master Gardeners, Stockton, CA.
- Baldwin, R. A.** An integrated approach to controlling pocket gophers. 5 March, 2013. Spring Class on Pest Updates, Merced, CA.
- Baldwin, R. A.** Developing an IPM program for managing burrowing rodents. 7 February, 2013. 2013 California Plant and Soil Conference. Visalia, CA.
- Baldwin, R. A.** Wildlife pest management. 5 February, 2013. Target Specialty Products Annual Winter Workshop Series. Visalia, CA.
- Baldwin, R. A.** Wildlife pest management in parks and landscapes. 5 February, 2013. Target Specialty Products Annual Winter Workshop Series. Visalia, CA.
- Baldwin, R. A.** Developing an IPM program for managing pocket gophers and voles. 1 February, 2013. California Cherry Research Review. Stockton, CA.

- Baldwin, R. A.** Burrowing rodent management. 20 December, 2012. North San Joaquin Valley Peach Day. Modesto, CA.
- Baldwin, R. A.** Vertebrate pest management – What’s new? 13 December, 2012. 40th Annual Almond Industry Conference. Sacramento, CA.
- Baldwin, R. A.,** T. P. Salmon, R. M. Timm, and R. H. Schmidt. 13 December, 2012. Perceived damage and areas of needed research for wildlife pests of California agriculture (Poster). 40th Annual Almond Industry Conference. Sacramento, CA.
- Baldwin, R. A.** Developing an IPM strategy for controlling ground squirrels. 12 December, 2012. Sutter County Ag Dept/UCCE Yuba/Sutter Cooperative Extension – Grower Continuing Education Seminar. Yuba City, CA.
- Baldwin, R. A.** Burrowing rodent management. 7 December, 2012. 11th Annual Sustainable Agriculture Pest Management Conference. San Luis Obispo, CA.
- Baldwin, R. A.** Vertebrate pest management – What’s new? 14 November, 2012. 2012 Advances in Pistachio Production Short Course. Visalia, CA.
- Baldwin, R. A.,** N. Quinn, D. H. Davis, and R. M. Engeman. Reregistration of CDFA baits for control of Norway and roof rats in agricultural fields. 11 October, 2012. Vertebrate Pest Control Research Advisory Committee meeting, Merced, CA.
- Witmer, G. W., and **R. A. Baldwin (presenter).** Test of efficacy of cholecalciferol + diphacinone bait for California vole control. 11 October, 2012. Vertebrate Pest Control Research Advisory Committee meeting, Merced, CA.
- Baldwin, R. A.** Vertebrate pest control for Master Gardeners. 4 October, 2012. Lake Tahoe Master Gardener’s Training, Meyers, CA.
- Baldwin, R. A.** Field presentation on wildlife pest management in Christmas trees. 11 August, 2012. National Christmas Tree Association Farm Tour, Camino, CA.
- Baldwin, R. A.** Wildlife pest management in Christmas trees. 10 August, 2012. National Christmas Tree Association Convention and Trade Show, Sacramento, CA.
- Baldwin, R. A.** Wildlife pest management in parks and landscapes. 1 August, 2012. Pesticide Applicators Professional Association Seminar/University of California Statewide IPM Program/San Francisco Bay Water Quality Control Board IPM Seminar, San Ramon, CA.
- Baldwin, R. A.** How to control ground squirrels for orchards, vineyards, pastures, and rangelands. 25 July, 2012. UCCE/San Luis Obispo County Agricultural Commissioner Workshop, Templeton, CA.
- Baldwin, R. A.** Understanding the difference between real and perceived risks associated with rodenticides and burrow fumigants. 21 June, 2012. Pesticide Applicators Professional Association Seminar, Vacaville, CA.
- Baldwin, R. A.** Burrowing pest control. 7 June, 2012. Stanislaus County Agricultural Commissioner’s Office Farmer Training, Modesto, CA.
- Baldwin, R. A.** Managing vertebrate pests within orchard systems. 1 June, 2012. Central San Joaquin Valley Summer Almond Field Day, Ballico, CA.

- Baldwin, R. A.** An IPM approach to controlling pocket gophers. 19 May, 2012. Marin County Flood Control & Water Conservation District Educational Meeting, Mill Valley, CA.
- Baldwin, R. A.** Gopher control in vineyards—for Spanish speakers. 19 May, 2012. Sonoma County Winegrape Commission-Gopher Control Field Day, Santa Rosa, CA.
- Baldwin, R. A.** Gopher control in vineyards. 18 May, 2012. UCCE Gopher Control Field Day, Santa Rosa, CA.
- Baldwin, R. A.** Gopher control in alfalfa. 9 May, 2012. UC Davis Alfalfa/Biofuels Field Day, Davis, CA.
- Baldwin, R. A.** Vertebrate pest management in walnuts. 4 May, 2012. 2012 Spring Walnut and Grafting Demonstration and Field Meeting, Upper Lake, CA.
- Baldwin, R. A.** Vertebrate pest control for Master Gardeners. 3 May, 2012. Butte County Master Gardener’s Training, Oroville, CA.
- Baldwin, R. A.** The importance of aluminum phosphide for burrowing pest control in California. 25 April, 2012. Vertebrate Pest Control Research Advisory Committee meeting, Sacramento, CA.
- Baldwin, R. A.** Managing the war on vertebrate pests. 24 February, 2012. University of California Cooperative Extension, Fresno County Master Gardener Smart Gardening Conference, Fresno, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles in alfalfa. 12 December, 2011. 2011 Western Alfalfa & Forage Conference, Las Vegas, NV.
- Baldwin, R. A.** Burrowing pest management. 17 October, 2011. 37th Annual CAPCA Conference and Agri-Expo, Reno, NV.
- Baldwin, R. A.** Developing an IPM program for controlling common wildlife pests of agricultural commodities. 11 October, 2011. Fall Class on Pest Updates, Merced, CA.
- Baldwin, R. A., T. P. Salmon, R. H. Schmidt, and R. M. Timm.** Vertebrate pest research “needs assessment” for California. 5 October, 2011. Vertebrate Pest Control Research Advisory Committee meeting, Hanford, CA.
- Baldwin, R. A.** Managing rats and mice in citrus orchards. 22 September, 2011. Fall Citrus Meeting, Tulare County Cooperative Extension, Tulare, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles in alfalfa. 8 September, 2011. Alfalfa and Forage Field Day, Parlier, CA.
- Baldwin, R. A.** The importance of training and experience in trapping and baiting programs for controlling pocket gophers. 16 August, 2011. Grape Day, Parlier, CA.
- Baldwin, R. A.** Vertebrate pest management for IPM Trainees. 27 June, 2011. Training Program for IPM Advocates, Oakland, CA.
- Baldwin, R. A.** A demonstration of an IPM approach to managing pocket gophers. 27 May, 2011. Gopher Control Workshop, Novato, CA.
- Baldwin, R. A.** A demonstration of an IPM approach to managing pocket gophers. 26 May, 2011. Gopher Control Workshop, Oakville, CA.

- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 20 April, 2011. Yuba County Master Gardeners training, Yuba City, CA.
- Baldwin, R. A.** Demonstration of gopher and ground squirrel control in orchard crops. 14 April, 2011. UCCE Sutter/Yuba County Field Day, Yuba County, CA.
- Baldwin, R. A.** Integrated approach to controlling burrowing pests in citrus. 7 April, 2011. Spring Citrus Meeting, Tulare, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles. 16 March, 2011. Sonoma County Viticulture Technology meeting, Santa Rosa, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 10 March, 2011. Fresno County Master Gardeners training, Fresno, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles in seed alfalfa. 9 March, 2011. Alfalfa Seed Production Symposium, Five Points, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles. 3 March, 2011. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Rancho Cucamonga, CA.
- Baldwin, R. A.** Introduction to vertebrate pest control. 1 March, 2011. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Visalia, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles. 1 March, 2011. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Visalia, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles. 17 February, 2011. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Stockton, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles. 16 February, 2011. Pesticide Applicators Professional Association Seminar: hosted by Vertebrate Pest Council, Chico, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 3 February, 2011. Inyo/Mono County Master Gardeners training, Bishop, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers in alfalfa. 1 December, 2010. 2010 California Alfalfa & Forage Symposium, Visalia, CA.
- Baldwin, R. A.** Gopher trapping demonstration. 30 November, 2010. Alfalfa IPM Workshop, Parlier, CA.
- Baldwin, R. A.** Vertebrate pest management. 18 November, 2010. Madera County Agricultural Commissioner's Office Farmer Training, Madera, CA.
- Baldwin, R. A.** Integrated approach to controlling gophers. 17 November, 2010. Contra Costa Private Applicator Continuing Education Class, Knightsen, CA.
- Baldwin, R. A.** Ground squirrel management in almonds and similar crops. 4 November, 2010. Continuing Education for Pesticide Applicators, Denair, CA.
- Baldwin, R. A.** Integrated approach to controlling serious burrowing pests. 5 August, 2010. Pesticide Applicators Professional Association Seminar, Fresno, CA.

- Baldwin, R. A.** Integrated approach to controlling pocket gophers and ground squirrels. 8 June, 2010. Lodi Winegrape Commission Seasonal Workshop, Lodi, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 27 May, 2010. Tenth Annual Integrated Pest Management Training for Landscape Professionals, San Diego, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers. 13 April, 2010. Central Coast Winegrape Seminar, Salinas, CA.
- Baldwin, R. A.** Ground squirrel management in rangelands. 30 March, 2010. Vertebrate Pest Management Workshop, Midpines, CA.
- Baldwin, R. A.** Vertebrate pest management for vineyards. 24 March, 2010. Vine Symposium, Central Coast. Paso Robles, CA.
- Baldwin, R. A.** Integrated approach to controlling pocket gophers and voles. 5 March, 2010. Rodent Control Workshop for Row Crops, Woodland, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 4 March, 2010. Amador and Calaveras County Master Gardeners training, San Andreas, CA.
- Baldwin, R. A.** Results of gopher control studies. 3 March, 2010. Napa Valley Vineyard Technical Group, Napa, CA.
- Baldwin, R. A.** Results of gopher control studies. 9 February, 2010. Sonoma County Grape Day, Santa Rosa, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 4 February, 2010. Inyo/Mono County Master Gardeners training, Bishop, CA.
- Baldwin, R. A.** Results of gopher control studies. 1 February, 2010. Association of Applied IPM Ecologists Pest Management Conference, Napa, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 27 January, 2010. El Dorado County Master Gardeners training, Placerville, CA.
- Baldwin, R. A.** Integrated approach to controlling serious burrowing pests. 15 December, 2009. Pest Management Seminar, Yreka, CA.
- Baldwin, R. A.** Management of gophers in an agricultural or landscape setting. 10 December, 2009. IPM Field Demonstration, Parlier, CA.
- Baldwin, R. A.** Vertebrate pest management. 20 November, 2009. Madera County Agricultural Commissioner's Office Farmer Training, Madera, CA.
- Baldwin, R. A.** Management of gophers in an agricultural or landscape setting. 18 November, 2009. IPM Field Demonstration, Pala, CA.
- Baldwin, R. A.** Vertebrate pest management in a landscape setting. 10 November, 2009. Landscape Pest Management Seminar, Tulare, CA.
- Baldwin, R. A.** Ground squirrel management in almonds. 5 November, 2009. Almond PMA II – Pest Management Training Course, Stockton, CA.
- Baldwin, R. A.** Ground squirrel management in almonds. 4 November, 2009. Almond PMA II – Pest Management Training Course, Parlier, CA.

- Baldwin, R. A.** Management of gophers and other vertebrate pests on the ranch. 19 October, 2009. IPM Field Demonstration, McArthur, CA.
- Baldwin, R. A.** An assessment of three gopher control strategies. 11 August, 2009. Grape Day, Parlier, CA.
- Baldwin, R. A.** An assessment of three gopher control strategies. 6 August, 2009. The 9th Annual IPM/Organic Field Day, Forestville, CA.
- Baldwin, R. A.** Vertebrate pest management in drip/micro irrigated crops. 4 August, 2009. Drip and Microsprinkler Irrigation Meeting, Modesto, CA.
- Baldwin, R. A.** An assessment of three gopher control strategies. 25 June, 2009. Gallo Family Vineyards Team-Building Meeting, Sebastopol, CA.
- Baldwin, R. A.** Vertebrate pest management for ground squirrels and gophers. 3 June, 2009. Breakfast meeting for growers and PCA's, Stanislaus County, Modesto, CA.
- Baldwin, R. A.** Vertebrate pest management for landscape settings. 13 May, 2009. IPM Workshop, San Joaquin County, Stockton, CA.
- Baldwin, R. A.** IPM for gophers and ground squirrels. 8 April, 2009. Regional School Integrated Pest Management Training Workshop, Visalia, CA.
- Baldwin, R. A.** Vertebrate pest management for walnuts. 13 March, 2009. Walnut Institute, Hollister, CA.
- Baldwin, R. A.** Vertebrate pest management for Master Gardeners. 5 March, 2009. Fresno County Master Gardeners training, Fresno, CA.
- Baldwin, R. A.** Vertebrate pest management for grapes. 18 November, 2008. Central Valley Grape and Raisin Expo, Caruthers, CA.
- Baldwin, R. A.** Vertebrate Pests of Pistachios. 6 November, 2008. 5th Pistachio Short Course, Visalia, CA.
- Baldwin, R. A.** IPM for gophers and ground squirrels. 22 October, 2008. Regional School Integrated Pest Management Training Workshop, Dixon, CA.
- Baldwin, R. A.** Vertebrate pest management for alfalfa. 18 September, 2008. Alfalfa Field Day, Parlier, CA.
- Baldwin, R. A.,** and L. C. Bender. Estimating population size and density of black bears in Rocky Mountain National Park, Colorado. 29 March, 2007. Annual Coordinating Committee Meeting, New Mexico Cooperative Fish and Wildlife Research Unit, Albuquerque, NM.
- Baldwin, R. A.,** and L. C. Bender. The "bear" essentials: insight into the charismatic black bear. 3 August, 2006. Science Behind the Scenery, Rocky Mountain National Park, Estes Park, CO.
- Baldwin, R. A.,** and L. C. Bender. The "bear" essentials: insight into the charismatic black bear. 29 June, 2006. Science Behind the Scenery, Rocky Mountain National Park, Estes Park, Colorado.
- Baldwin, R. A.,** and L. C. Bender. Habitat utilization, critical habitats, and condition of black bears at Rocky Mountain National Park. 8 March, 2005. Annual Coordinating

Committee Meeting, New Mexico Cooperative Fish and Wildlife Research Unit, Las Cruces, NM.

Baldwin, R. A., and L. C. Bender. The “bear” essentials: insight into the charismatic black bear. 12 June, 2004. Research & Resources Day, Rocky Mountain National Park, Estes Park, CO.

Baldwin, R. A., and L. C. Bender. The “bear” essentials: insight into the charismatic black bear. 8 May, 2004. Spring Lyceum Research, Rocky Mountain National Park, Estes Park, CO.

PROFESSIONAL PRESENTATIONS

Baldwin, R. A. Challenges and opportunities for the wildlife damage management profession in the face of expanding wildlife populations: an extension perspective. 17th Wildlife Damage Management Conference, Orange Beach, AL. 27 February, 2017.

Baldwin, R. A. Wild pigs—A uniquely devastating animal. UC DANR Joint Strategic Initiatives Conference, Sustainable and Natural Ecosystems (SNE) and Endemic and Invasive Pests and Diseases (EIPD). Davis, CA. 16 November, 2016.

Baldwin, R. A., R. D. Meinerz, and S. B. Orloff. Fumigation of burrowing rodents with carbon monoxide: a comparison to alternative fumigation options (Poster). 23rd Annual Meeting of The Wildlife Society National Conference. Raleigh, NC. 19 October, 2016.

Baldwin, R. A. Opening remarks—27th Vertebrate Pest Conference. 27th Vertebrate Pest Conference, Fairmont Newport Beach, CA. 8 March, 2016.

Baldwin, R. A., R. Meinerz, and G. Witmer. Are cholecalciferol plus anticoagulant rodenticides a viable option for field rodents? 27th Vertebrate Pest Conference, Fairmont Newport Beach, CA. 8 March, 2016.

Kross, S., P. Stapp, and **R. A. Baldwin**. Gopherbusters? A review of the candidacy of barn owls as the ultimate natural pest control option. 27th Vertebrate Pest Conference, Fairmont Newport Beach, CA. 8 March, 2016.

Sellers, L., **R. A. Baldwin**, R. Long, and M. Jay-Russell. Impact of field border plantings on rodents and food safety concerns. 27th Vertebrate Pest Conference, Fairmont Newport Beach, CA. 10 March, 2016

Witmer, G., **R. A. Baldwin**, and R. Moulton. Evaluation of potential repellents for pocket gophers (*Thomomys bottae*). 27th Vertebrate Pest Conference, Fairmont Newport Beach, CA. 10 March, 2016

Snell, L. K., D. Lile, and **R. A. Baldwin**. Relative use of feral horses, livestock, and wildlife at spring locations in northeastern California. 69th Annual Meeting of the Society for Range Management, Corpus Christi, TX. 3 February, 2016.

Wolf, K. M., M. Whalen, R. Bourbour, and **R. A. Baldwin**. Wildlife diversity and utilization in paired restored native perennial and unrestored annual grasslands in California's Central Valley. 69th Annual Meeting of the Society for Range Management, Corpus Christi, TX. 2 February, 2016.

Baldwin, R. A., and G. W. Witmer. The future of rodenticides in the western U.S.: can new options limit environmental risks while increasing the effectiveness of management

- efforts? 22nd Annual Meeting of The Wildlife Society National Conference. Winnipeg, Canada. 21 October, 2015.
- Quinn, N., D. H. Davis, R. M. Engeman, and **R. A. Baldwin**. Efficacy of rodenticides for roof rat and deer mouse control in orchards (Poster). 2015 Joint Strategic Initiatives Conference, University of California Division of Agriculture and Natural Resources, Sacramento, CA. 6 October, 2015.
- Putnam, D. H., K. Bali, A. Montazar, J. Radawich, **R. A. Baldwin**, and D. Zaccaria. Promises and pitfalls of adapting new technology: can subsurface drip irrigation improve alfalfa water productivity? (Poster). 2015 Joint Strategic Initiatives Conference, University of California Division of Agriculture and Natural Resources, Sacramento, CA. 5 October, 2015.
- Hansen, S., C. Stolter, **R. A. Baldwin**, Y. Motro, G. Witmer, and J. Jacob. The effect of herbal repellents in five rodent pest species (Poster). 18th International Plant Protection Congress, Berlin, Germany. 26 August, 2015.
- Baldwin, R. A.**, and G. Witmer. The future of rodenticides in the western U.S.: can new options limit environmental risks while increasing the effectiveness of management efforts? Extension Wildlife Specialists, Agents, and Associates Conference. Cedar City, UT. 12 August, 2015.
- Pope, B. M., J. Heflin, R. Holmes, R. Jones, P. Justice, B. Luster, A. McClain, S. Morales, S. Washington, M. Whitley, **R. A. Baldwin**, J. L. Waits, and M. L. Kennedy. Cytochrome-B sequence variation in *Thomomys* spp. in California. 62nd Annual Meeting of the Southwestern Association of Naturalists. San Diego, CA. 2–5 April, 2015.
- Finzel, J. A., and **R. A. Baldwin**. Wild pigs in California: managing impacts (Poster). 3rd Annual Rustici Rangeland Science Symposium, Davis, CA. 3 March, 2015.
- Wolf, K. M., **R. A. Baldwin**, and R. Bourbour. Native perennial grassland restoration may not confer increased wildlife diversity or habitat utilization. California Native Plant Society, San Jose, CA. 16 January, 2015.
- Wolf, K. M., **R. A. Baldwin**, and R. Bourbour. Native perennial grassland restoration may not confer increased wildlife diversity or habitat utilization. Sacramento-Shasta Wildlife Society Natural Resources Symposium, Sacramento, CA. 12 November, 2014.
- Baldwin, R. A.**, D. I. Stetson, H. Jantz, and R. M. Engeman. Managing California vole populations in artichoke fields through an Integrated Pest Management approach. 21st Annual Meeting of The Wildlife Society National Conference. Pittsburgh, PA. 29 October, 2014.
- Sellers, L., **R. A. Baldwin**, and Rachael Long. Impact of field border management on rodents in walnut orchards. California Invasive Plant Council Conference. Chico, CA. 9 October, 2014.
- Baldwin, R. A.** Closing remarks for 26th Vertebrate Pest Conference. 26th Vertebrate Pest Conference. Waikoloa Village, HI. 6 March, 2014.
- Baldwin, R. A.**, and S. B. Orloff. Understanding trapping as a tool to manage pocket gophers. 26th Vertebrate Pest Conference. Waikoloa Village, HI. 6 March, 2014.

- Witmer, G., K. Horak, and **R. A. Baldwin**. Preliminary results of trials with rodenticides. 26th Vertebrate Pest Conference. Waikoloa Village, HI. 6 March, 2014.
- Quinn, N., D. H. Davis, R. M. Engeman, and **R. A. Baldwin**. Efficacy of rodenticides for roof rat and deer mouse control in orchards (Poster). 26th Vertebrate Pest Conference. Waikoloa Village, HI. 4 March, 2014.
- Quinn, N., D. H. Davis, R. M. Engeman, and **R. A. Baldwin**. Efficacy of rodenticides for roof rat and deer mouse control in orchards (Poster). 11th International Mammal Congress, Queens University Belfast, Northern Ireland, UK. 12 August, 2013.
- Baldwin, R. A.** Understanding trapping as a tool to manage pocket gophers. Triennial National Wildlife & Fisheries Extension Specialists Conference. Haines City, FL. 9 April, 2013.
- Witmer, G., K. Horak, R. Moulton, and **R. A. Baldwin**. New rodenticides: update on recent research trials. 15th Wildlife Damage Management Conference, Clemson, SC. 27 March, 2013.
- Baldwin, R. A.**, T. P. Salmon, R. M. Timm, and R. H. Schmidt. Perceived damage and areas of needed research for wildlife pests of California agriculture (Poster). 19th Annual Meeting of The Wildlife Society National Conference. Portland, OR. 16 October, 2012.
- Baldwin, R. A.** Vertebrate pest management. UC ANR Endemic and Invasive Pests and Diseases Conference, UC Davis Conference Center, Davis, CA. 25 April, 2012.
- Baldwin, R. A.**, and N. Quinn. The applicability of burrow fumigants for controlling Belding's ground squirrels in alfalfa. 25th Vertebrate Pest Conference. Monterey, CA. 8 March, 2012.
- Hornbaker, V. L., **R. A. Baldwin**, and S. N. Richards. Fiscal impact of the Rodenticide Risk Mitigation Decision to the California Department of Food and Agriculture's rodenticide research program. 25th Vertebrate Pest Conference. Monterey, CA. 8 March, 2012.
- Baldwin, R. A.** The importance of aluminum phosphide for burrowing pest control in California. 25th Vertebrate Pest Conference. Monterey, CA. 7 March, 2012.
- Baldwin, R. A.**, and B. A. Holtz. Fumigation of California ground squirrels revisited: are fumigants an effective method for controlling ground squirrels? 24th Vertebrate Pest Conference. Sacramento, CA. 23 February, 2010.
- Hornbaker, V., and **R. A. Baldwin**. Impact on vertebrate IPM practices from EPA's rodenticide risk mitigation decision. 24th Vertebrate Pest Conference. Sacramento, CA. 23 February, 2010.
- Baldwin, R. A.**, and L. C. Bender. Influence of human-use areas on den-site selection and denning chronology of black bears in Rocky Mountain National Park, Colorado. Western Extension and Research Administrative Committee-95. Reno, NV. 5 November, 2008.
- Baldwin, R. A.**, and L. C. Bender. An assessment of Rocky Mountain National Park's bear population. Bi-annual conference, Rocky Mountain National Park, Estes Park, CO. 4 April, 2006.
- Baldwin, R. A.**, and L. C. Bender. Habitat utilization and body condition of black bears at Rocky Mountain National Park. Bi-annual conference, Rocky Mountain National Park, Estes Park, CO. 2004.

- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of mesopredators. 10th Annual Meeting of The Wildlife Society National Conference. Burlington, VT. 6–10 September, 2003.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). 13th Annual Meeting on Conservation of Mammals in the Southeastern U.S. Starkville, MS. 21 February, 2003.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). Annual Meeting of The Wildlife Society Tennessee Chapter. Cookeville, TN. 2003.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). 112th Meeting of the Tennessee Academy of Science. Johnson City, TN. 14–15 November, 2002.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). 82nd Annual Meeting of the American Society of Mammalogists. Lake Charles, LA. 15–19 June, 2002.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). 49th Annual Meeting of the Southwestern Association of Naturalists. Cuernavaca, Mexico. 25–27 April, 2002.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). 12th Annual Meeting on Conservation of Mammals in the Southeastern U.S. Clemson, SC. 21–22 February, 2002.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). Annual Meeting of The Wildlife Society Tennessee Chapter. 2002.
- Baldwin, R. A.,** A. E. Houston, and M. L. Kennedy. Association of selected habitat variables to capture success of raccoons (*Procyon lotor*), Virginia opossums (*Didelphis virginiana*), and striped skunks (*Mephitis mephitis*). 111th Meeting of the Tennessee Academy of Science. Murfreesboro, TN. 8–10 November, 2001.