

CURRICULUM VITAE FOR EXTENSION EDUCATOR FACULTY

University of Idaho

NAME: de Haro-Martí, Mario Emanuel

DATE: October 31, 2023

RANK OR TITLE: Professor, Extension Educator

DEPARTMENT: University of Idaho Extension, Central District
College of Agricultural and Life Sciences

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DATE OF FIRST EMPLOYMENT AT UI: July 1, 2005

DATE OF TENURE: June 23, 2013

DATE OF PRESENT RANK OR TITLE: July 1, 2020

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

Ph.D., 2018, Environmental Science, University of Idaho, Moscow, Idaho.

M.S., 2007, Environmental Science, University of Idaho, Moscow, Idaho.

B.S., 1996, Environmental Studies, National University of Comahue, Neuquén, Neuquén, Argentina.

Certificates and Licenses:

Idaho Pesticide Professional Applicator License – Statewide Consultant, 2009-present.

American Heart Association. Heartsaver CPR AED Certification. 2023. 2016. 2014. 2012.

Emergency Response Carcass Composting Training (Exam passed, candidate to Subject Matter Expert in Training USDA-APHIS). 2022.

Livestock and climate change: assessment of emissions, mitigation options and adaptation strategies. Certificate. Mediterranean Agronomic Institute of Zaragoza (IAMZ)-CIHEAM. 2020.

Animal Agriculture and Climate Change Certificate. 2013.

National Institutes of Health (NIH) Protecting Human Research Participants, Certificate, 2009.

Master Gardener. University of Idaho, 2009.

Soil Sampling Certification. Idaho State Department of Agriculture, 2008.

Environmental Contamination Assessment Certificate. University of Idaho, 2007.

First Class Commercial Single and Multiengine Instrument Airplane Pilot License, (Argentina – ICAO).

Airplane and Glider Flight Instructor, (Argentina – ICAO).

LANGUAGES:

English: Fluently spoken, written and read

Spanish: Native language

EXPERIENCE:

Teaching, Extension and Research Appointments:

Professor, Extension Educator, Dairy/Livestock Environmental Education. University of Idaho Extension, Gooding County Extension Office, Gooding, Idaho. July 1, 2020 – Present.
Affiliate Faculty, Graduate School, Washington State University. October 2021 – Present.

Teaching, Extension and Research Appointments (cont.):

Water Resources Program Faculty. CALS. University of Idaho. October 2020 – Present.
 Affiliate Faculty, Center for Resilient Communities. College of Art and Architecture. January 2019 - Present.
 Affiliate Faculty, College of Natural Resources. January 2018 - Present.
 Associate Professor, Extension Educator, Dairy/Livestock Environmental Education. University of Idaho Extension, Gooding County Extension Office, Gooding, Idaho. June 23, 2013 – June 30, 2020.
 Assistant Professor, Extension Educator, Dairy/Livestock Environmental Education. University of Idaho Extension, Gooding County Extension Office, Gooding, Idaho. July 1, 2007 – June 22, 2013.
 Graduate Research Assistant. University of Idaho. Twin Falls R&E Center, Twin Falls, Idaho. July 1, 2005 – June 30, 2007.
 Research Assistant and Teacher Assistant. National University of Comahue. Instituto Universitario en Ciencias para la Salud. Neuquén, Argentina. December 1, 1995 – August 30, 1996.

Academic Administrative Appointments:

University of Idaho Extension, Gooding County Chair 10%. March 2015 - Present.

Non-Academic Employment including Armed Forces:

Technical Consultant in Charge. SEGECO (Industrial safety & health and environmental consultant services) Neuquén, Argentina. December 1, 2000 – August 30, 2001. Previously, Technical Consultant part time from October 1, 1996 to April 30, 1998.
 High School Teacher. Provincial Education Board. Technical and Normal schools. Neuquén, Argentina. 1993 – 2001.
 Chemical Analyst. ORFIVA (Concentrated apple juice producer). Neuquén, Argentina. February 1, 1991 – April 30, 1993.
 Chief Pilot. Aires de Patagonia (Air Medical Evacuation and Air Taxi). Neuquén, Argentina. August 1997 – June 2000.
 Flight Instructor. Neuquén Air Club. Neuquén, Argentina. December 1997 – October 2001.
 Flight Instructor, Tow Pilot. Neuquén Gliding Club. Neuquén, Argentina. June 1998 – August 2001.
 Pilot. Fly Center. Rincón de los Sauces, Neuquén, Argentina. April 1997 – April 1998.

TEACHING ACCOMPLISHMENTS:**Areas of Specialization:**

Agricultural Nutrient and Waste Management
 Agricultural Air and Water Quality
 Dairy and livestock Sustainability
 Environmental Sciences
 Dairy production and workforce education

Courses Taught:

Idaho Master Composter and Recycler, ED 405/505, Spring 2011.
 Idaho Master Composter and Recycler, EDCI 405/505, Spring 2010.

Interns/Students Advised:**Graduate Student Committee Member**

Miguel Mena, M.S. Soil and Water Resources, CALS. University of Idaho. Co-Advisor. 2023-Present.

Connor Daugherty, M.S. Soil and Water Resources, CALS. University of Idaho. Committee member. 2023-Present.

Xuejian (Ron) Wang, M.S. Ag Econ, CALS. University of Idaho. Committee member. 2022-2023. Successfully obtained M.S.

Anthony Simerlink, M.S. Graduate School. Washington State University. Co-Advisor. 2021-Present.

Cheyenne Myers, M.S. AVFS, CALS. University of Idaho. Committee member. 2021-2022. Successfully obtained M.S.

Internships:

Graduates:

Jason Eells. M.S. Idaho Master Composter and Recycler Program Internship, AGED 498, 3 credits, Spring 2011. Ag Science Communications & Leadership, University of Idaho.

Undergraduates:

Jason Gonzalez. University of Idaho Extension Summer paid internship. Forty hours per week, ten weeks. 2018.

Rebecca Flick. University of Idaho Extension Summer paid internship. Forty hours per week, ten weeks each year. 2017, 2016.

Kenny Seegolam. Optional Internship, 4 credits, 25 hours volunteer internship, Fall 2015. College of Southern Idaho.

Glen Kade Gill. University of Idaho Extension Summer paid internship. Forty hours per week, ten weeks. 2015. AGED 498. University of Idaho. 4 Credits

Hernan Labra. Assisted with University of Idaho Extension internship. Fall 2014, 200 hours. University of Idaho.

Cara Pantone. University of Idaho Extension Summer paid internship. Forty hours per week, ten weeks. 2013. University of Idaho.

Molly Orr. University of Idaho Extension Summer paid internship. Forty hours per week, ten weeks. Summer 2012.

Jennifer Votroubek. Concepts of Biology, BIOL 100, 4 credits, 15 hours volunteer internship, Fall 2011. College of Southern Idaho.

Other interns:

Emma Jeske. Gooding High School. Paid part-time internship. September 2017-September 2018.

Emmanuel Toledano-Casillas. Jerome High School volunteer for-credit internship. Summer 2014, 120 hours.

Katy Brown. Gooding High School volunteer for-credit internship. Seven hours per week from September 2013 to May 2014.

Materials Developed:

Workbooks, Manuals:

Chahine, M., R. Norell, J. Dalton, **M.E. de Haro Martí**, K.S. Jensen, C. Matuk, C. Schneider, J.B. Glaze, G. Brumbaugh, J.B. Hall, J.J. England, and C.A. Hinds. 2013. Animal Care Certification workbook. (Spanish and English). University of Idaho Extension and College of Southern Idaho.

Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2012. Milker's Certification on Idaho Dairies workbook. (Spanish and English). University of Idaho Extension and College of Southern Idaho.

Chahine, M., Norell, R. J., and **M.E. de Haro Martí**. 2007. TMR-Mixing/dairy cows feeding handbook University of Idaho Extension. (English and Spanish).

Webpages:

de Haro Martí, M.E. Gooding County, Extension Office web page section leader. 2016-present.
<http://goodingcounty.org/196/Extension-4-H-Office>

Webpages (cont.):

- de Haro Martí, M.E. University of Idaho Extension Nutrient Management webpage domain leader. 2017-present. <http://www.extension.uidaho.edu/nutrient/index.html>
- de Haro Martí, M.E. University of Idaho Extension Dairy and Waste/Nutrient Management Facebook page domain leader. 2014-present. <https://www.facebook.com/UIExtensionDairyEnvironmentalEd/?ref=hl>
- de Haro Martí, M.E. University of Idaho Extension Gooding Extension Office Facebook page domain leader. 2014-present. <https://www.facebook.com/UIExtensionGooding?ref=hl>
- de Haro Martí, M.E. University of Idaho Extension Nutrient Management webpage collaborator in charge of Manure Management section. 2014-2016. <http://www.extension.uidaho.edu/nutrient/index.html>
- de Haro Martí, M.E. 2008-present. University of Idaho Extension Gooding County web page domain leader. <https://www.uidaho.edu/extension/county/gooding>

Video Productions:

- de Haro Martí, M.E., L. Schott, L. Chen, and J. Jamison. 2020. Ammonia and odor reduction: Drag hose and injection system and zeolite filter on an Idaho dairy. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Video). <https://www.youtube.com/watch?v=pwB7ot2UZio&feature=youtu.be>
- Chen, L., **M.E. de Haro Martí**, L. Schott, and J. Jamison. 2020. Secondary solid separation technology for dairies: Centrifuge. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Video). <https://www.youtube.com/watch?v=MGSvSoASCVk&feature=youtu.be>
- Schott, L., L. Chen, **M.E. de Haro Martí**, and J. Jamison. 2020. Dairy byproduct management: Cover crops and alternative cropping systems. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Video). <https://www.youtube.com/watch?v=um6TCnIFrDg&feature=youtu.be>
- Thornton, M., N. Olsen, **M.E. de Haro Martí**, and J. Thomas. 2020. Unloading potatoes out of storage (Spanish). (Video). https://www.youtube.com/watch?v=Zagq3s0rxIE&feature=emb_logo
- Thornton, M., N. Olsen, **M.E. de Haro Martí**, and J. Thomas. 2020. Moving potatoes from truck to piler (Spanish). (Video). https://www.youtube.com/watch?v=FjDEX6Zf9i8&feature=emb_logo
- Rovai, M., L. Guifarro, **M. E. de Haro Martí**, and M. Chahine. 2020. Información básica para empleados de granjas lecheras y agrícolas de los EE.UU sobre qué medidas tomar respecto al Coronavirus Covid-19 (Spanish with English subtitles). (Video) https://www.youtube.com/watch?v=0jU1vzNMdkk&feature=emb_title
- de Haro Martí, M.E. 2019. Recordings and materials from the 2017 Dairy Goat and Sheep Workshop.
- de Haro Martí, M.E. 2019. Recordings and materials from the 2016 Dairy Goat and Sheep Workshop.
- de Haro Martí, M.E., L. Chen, H. Neibling, M. Chahine, C.W. Gray, and J. Tilly. 2013. Manure Application Using a Drag Hose and Injection System. University of Idaho Extension. DVD and You Tube Video.

Displays and Posters:

- de Haro Martí, M.E. and M. Chahine. Idaho sustainable Agriculture Initiative for Dairy (ISAID) booth and display.
National Agricultural County Agents Association, 107th Annual Meeting and Professional Improvement Conference. West Palm Beach, FL. July 17-22, 2022.
Waste to Worth, Advancing Sustainability in Animal Agriculture Conference. Oregon, OH. April 18-22, 2022.

Displays and Posters (cont.):

- de Haro Martí, M.E. Extension Collaborative on Immunization Teaching & Engagement (EXCITE) information booth and immunization clinic. Idaho Potato Conference. Pocatello, ID. January 19-20, 2022.
- de Haro Martí, M.E., S.G. Lee, M. Chahine, and L. McConnel-Soong. Extension Collaborative on Immunization Teaching & Engagement (EXCITE) and UI Extension services information booth. Refugee's resources fair. Twin Falls, ID. December 4, 2022.
- de Haro Martí, M.E. UI Nutrient and Waste Management, University of Idaho Extension activities display. Kimberly and Twin Falls R&E Centers' Twilight Tour. Kimberly, Idaho. July 2018, 2016, 2012, 2010, 2008.
- de Haro Martí, M.E. University of Idaho Extension and Waste Management Display. Gooding County Fair. Gooding, Idaho. Yearly in August, 2018-2008.
- de Haro Martí, M.E. and M. Chahine. From feed to milk, University of Idaho Extension Display. 1000 Springs Festival. Hagerman, Idaho. September, 2008, 2009, 2011. Idaho State Park Centennial. Hagerman, Idaho. July 12, 2008. Jerome Historical Society. Jerome, Idaho. September, 2008, 2009, 2011.
- de Haro Martí, M.E. 2008. University of Idaho Extension and Environmental Science Display. Earth Day at the Gooding Public Library. Gooding, Idaho. April 23, 2008.
- de Haro Martí, M.E. 2007. Extension Education at the University of Idaho. Poster.

Powerpoint/Slide Presentations:

- de Haro Martí, M.E. 2023. Options for Dealing with the biomass aftermath of your garden.
- de Haro Martí, M.E. 2023. Home composting basics.
- de Haro Martí, M.E. 2023. Farm safety at dairies.
- de Haro Martí, M.E. 2023. Farm safety and vaccination.
- de Haro Martí, M.E. 2021. Composting Micro 101.
- de Haro Martí, M.E. 2021. Nutrient Management: Striking a balance between cropping season needs and long-term sustainability.
- de Haro Martí, M.E. 2018. Tractor operations and safety. (Spanish and English).
- de Haro Martí, M.E. 2016. Worker's Safety in Agriculture. (Spanish and English)
- de Haro Martí, M.E. 2015. Composting of dairy manure and grape vine prunings as a tool to better manage both industries waste and reduce their environmental impact. Micro Manure Management Webinar. eXtension.org. Broadcasted May 22, 2015. Archived at <https://lplc.org/micro-manure-management/#.Vi-SAYu2LfU>.
- de Haro Martí, M.E. 2013. Animal Care Certification. (Spanish and English). University of Idaho Extension and College of Southern Idaho.
 - Unit 7: Worker and animal safety, emergency plan, and legal considerations.
 - Unit 3: Matuk, C. and **M.E. de Haro Martí**. The Basic Clinical Exam: Key to early identification of sick animals.
- de Haro Martí, M.E. 2013. Biosecurity for dairy farm workers. ABS Dairy Reproduction Program. (Spanish and English). University of Idaho Extension.
- de Haro Martí, M.E. 2013. Dairy Middle Management Round Table.
 - Manure management on Idaho dairies. (Spanish and English).
 - On-farm composting methods. (Spanish and English).
- de Haro Martí, M.E. 2012. Milker's Certification on Idaho Dairies. (Spanish and English). University of Idaho Extension and College of Southern Idaho.
 - Unit 1: Introduction to Idaho's dairy industry.
 - Unit 2: Pasteurized Milk Ordinance.
 - Unit 3: Dairy design and components of a dairy.
 - Unit 4: Milking equipment.
 - Unit 8: Workplace safety and biosecurity.
 - Unit 9: Milker's responsibilities.

Powerpoint/Slide Presentations (cont.):

- de Haro Martí, M.E., M. Chahine, and C. Matuk. 2011. Protecting the Milk Supply Workshop Series. (Spanish and English).
Biosecurity for Dairy Workers.
Antibiotics Residue Avoidance.
- de Haro Martí, M.E. 2010, 2011. Idaho Master Composter and Recycler Program.
MCR Guidelines.
Pollution Prevention Hierarchy.
Regulatory Framework and Using Information Resources.
Reduce Concepts and Examples.
Reducing Pollution and Examples.
Reuse Concepts and Examples.
Rain Water and Grey Water Systems.
Recycling Concepts and Examples.
Recycling Resources.
Waste Treatment and Disposal and Hazardous Materials.
Bad Recycling/Reusing – What Not to do.
Home Composting and General Concepts.
On-Farm and Municipal Composting.
Composting Resources.
Vermicomposting.
Black Soldier Fly and Other Alternative Treatments for Wastes.
Implementing Pollution Prevention Programs.
Community Action and Volunteer Opportunities.
- de Haro Martí, M.E. 2010. Master Gardener Program.
Home Composting.
Vermicomposting
- Sheffield, R.E. and **M.E. de Haro Martí**. 2009. Western Odor and Air Quality Education Program.
Odor Measurement Techniques.
Odor Best Management Practices.
- Chahine, M. and **M.E. de Haro Martí**. 2009. How to Reduce Milk Somatic Cell Counts on a Commercial Dairy: a Practical Example. Eurovacum Conference, Vic, Barcelona Spain. June 10-11, 2009.

Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.:**Waste and Nutrient Management:****International**

- de Haro Martí, M.E. 2023. Research and Extension projects related to dairy production at the University of Idaho, USA. Seminar. Autonomous University of Barcelona. Bellaterra, Barcelona, Cataluña, Spain. July 27, 2023.
- de Haro Martí, M.E. and M. Chahine. 2018. Use of clinoptilolite in composting of dairy manure to reduce ammonia emissions and retain nitrogen. Zeolite 2018, 10th International Conference on the Occurrence, Properties and Utilization of Natural Zeolites. Kraków, Poland. June 24-29, 2018.
- de Haro Martí, M.E., M. Chahine, T. McCammon, and A. Agenbroad. 2015. Composting of dairy manure and grape vine prunings as a tool to better manage both industries waste and reduce their environmental impact. Micro Manure Management Webinar. eXtension.org. Broadcasted May 22, 2015. Archived at <http://www.extension.org/pages/72987/micro-manure-management#.Vi-SAYu2LfU>. *Invited presentation.*
- de Haro Martí, M.E. 2014. The importance of environmental care on dairy production units. (Spanish). Expoláctea. International Dairy Exposition. Aguas Calientes, Aqs, México, March 12-14, 2014. *Invited presentation.*

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Waste and Nutrient Management (cont.):**

National/regional

- de Haro Martí, M.E. 2020. Food, Energy, and Water Systems (FEWS) analysis and co-development of integrated solutions to maintain agricultural production resilience in the Magic Valley, Idaho, under six different future scenarios. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Video presentation).
<https://www.youtube.com/watch?v=PVmCvm3VNFI&feature=youtu.be>
- de Haro Martí, M.E. 2020. Effect of composting dairy manure with the addition of clinoptilolite on ammonia emissions, nitrogen speciation, compost maturity and stability. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Video presentation).
<https://www.youtube.com/watch?v=dNsEgjoPXGw&feature=youtu.be>
- de Haro Martí, M. E. 2020. Integrated solutions to maintain dairy production resilience under six different future scenarios in a regional food, energy, and water systems analysis. American Dairy Science Association Virtual Annual Meeting. June 22-24, 2020. (Video presentation).

State

- de Haro Martí, M.E. 2023. Composting at home. Plant Talk. Online class. September 26, 2023.
- de Haro Martí, M.E. 2023. Options for Dealing with the biomass aftermath of your garden. Idaho Home Garden Tips. Online class. September 26, 2023.
- de Haro Martí, M.E. and M. Mena. 2023 ISAID Cover crops and corn silage research update. Impromptu soil health field day. Kimberly R&E Center, ID. September 14, 2023.
- de Haro Martí, M.E. 2023. Home composting basics. Fort Hall Extension Gardening Program. Forth Hall, ID. April 24, 2023.
- de Haro Martí, M.E. 2023. Dairy sustainability research. SHELL-UI meeting. Twin Falls R&E Center, ID. May 10, 2023.
- de Haro Martí, M.E. 2023. Master Gardener Program. Twin Falls, ID. Hybrid, live and online. February 8, 2023.
Composting at home.
Vermicomposting.
- de Haro Martí, M.E. 2022. Update on UI Research and Extension programs. Middle Snake Regional Water Resource Commission. Twin Falls, ID. November 16, 2022.
- de Haro Martí, M.E. 2022. Update on UI Research and Extension programs. Gooding Soil Conservation District. November 10, 2022.
- de Haro Martí, M.E. 2022. Bioproducts report- Updates in composting and corn-cover crops research. ISAID Annual Meeting 2022 and Regenerative Ag Workshop. Twin Falls, ID. October 3, 2022.
- de Haro Martí, M.E. 2022. ISAID Cover crops and corn silage research update. Impromptu soil field day. Kimberly R&E Center, ID. September 15, 2022.
- de Haro Martí, M.E. 2022. Home composting. Composting workshop at the Community Garden. Gooding, ID. September 8, 2022.
- de Haro Martí, M.E. 2022. Master Gardener Regional Convention. Twin Falls, ID. June 25, 2022.
Composting at Home. Three presentations.
Vermicomposting. Three presentations.
- Simerlink, A. and M.E. de Haro Martí. 2022. Home composting class. Hailey, ID. April 22, 2022.
- de Haro Martí, M.E. 2022. Composting and waste management. Envirothon Gooding Team class. Gooding, ID. April 6, 2022.
- de Haro Martí, M.E. 2022. Composting techniques and conservation practices at the Community Garden. Gooding, ID. March 31, 2022.
- de Haro Martí, M.E. 2022. Update on UI Research and Extension programs. Middle Snake Regional Water Resource Commission. Twin Falls, ID. March 16, 2022.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Waste and Nutrient Management, State (cont.):**

- de Haro Martí, M.E. 2022. Master Gardener Program. Twin Falls, ID. February 24, 2022.
Composting at home.
Vermicomposting.
- de Haro Martí, M.E. 2021. Composting Micro 101 and research updates. Biological Soil Amendments of animal origin workshop. ISDA-ODA-WDA-FDA. Virtual. November 16, 2021.
- de Haro Martí, M.E. 2021. Extension agriculture research and extension programs update. University of Idaho Extension Central District Fall meeting. Albion, ID. October 12, 2021.
- de Haro Martí, M.E. 2021. Tenth Grade Biology class. Hagerman Middle School.
Composting. April 29.
Vermicomposting. April 22.
- de Haro Martí, M.E. 2021. Manure spreader calibration. Field Day. Kimberly. ID. April 16, 2022.
- de Haro Martí, M.E. 2021. Nutrient Management: Striking a balance between cropping season needs and long-term sustainability. Agriculture updates for Certified Crop Advisors. February 26, 2021.
- de Haro Martí, M.E. 2020. Master Gardener Program. Gooding, ID plus Zoom to other locations. February 11 and 12, 2020. Two presentations each day.
Composting at home.
Vermicomposting.
- de Haro Martí, M.E. 2020. Compost vs manure fate of weeds and herbicides. UI Ag Talks Tuesdays. Virtual presentation. June 2, 2020.
- de Haro Martí, M.E. 2020. Dairy Forum. Preston, ID. February 25, 2020.
Considering composting on my dairy.
Farm Safety.
- de Haro Martí, M.E. 2019. Fifth Grade Science class. Gooding Middle School. Five presentations each day.
Vermicomposting. November 12.
Building a vermicomposter. November 13.
- de Haro Martí, M.E. 2019. Vermicomposting. Master Gardener Program. Twin Falls, ID plus Zoom to other locations. April 3, 2019.
- de Haro Martí, M. E. 2018. Effect of the addition of clinoptilolite on dairy manure composting mix on the compost maturity and stability. Idaho Nutrient Management Conference. Twin Falls, ID. November 15, 2018.
- de Haro Martí, M.E. 2018. Vermicomposting. Master Gardener Program. Twin Falls, ID. October 25, 2018.
- de Haro Martí, M. E. 2018. Effect of the addition of clinoptilolite on dairy manure composting mix on the compost maturity and stability. Idaho Nutrient Management Conference. Twin Falls, ID. November, 2018.
- de Haro Martí, M.E. 2018. Basic concepts of dairy production and manure management in the Magic Valley. LRC 554 Studio Class. UI-CNR. Twin Falls, ID. September 8, 2018 *Invited presentation.*
- de Haro Martí, M.E. 2018. Ph.D. Dissertation. On-Farm use of Clinoptilolite Zeolite with Composting and Air Filtration Technologies to Control Ammonia Emissions, Odor, and Nitrogen Retention from Dairy Manure. Twin Falls, ID. April 19, 2018.
- de Haro Martí, M.E. 2017. Compost, weeds, and herbicides: avoiding the cocktail. Pesticide applicator recertification seminar. Burley, ID. December 13. Twin Falls, ID. December 14, 2017.
- de Haro Martí, M.E. 2017. Cover crops demo and proof of concept at Gooding Community Garden. Cover crops field day. Gooding, ID. October 23, 2017.
- de Haro Martí, M.E. 2017. On-farm composting for goat and sheep producers. Dairy goat and sheep workshop. Gooding, ID. July 25, 2017.
- de Haro Martí, M.E. 2017. Master Gardener Program.
Rupert and Twin Falls, ID. January 25. Four presentations total.
Home Composting.
Vermicomposting.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Waste and Nutrient Management, State (cont.):**

- de Haro Martí, M.E. 2016. Nutrient and waste management for sheep and goat producers. Dairy Goat and Sheep Workshop. Gooding, ID. July 15, 2016.
- de Haro Martí, M.E. 2016. Use of zeolites to retain nitrogen during composting treatment of dairy manure. Idaho Nutrient Management Conference. Jerome, ID. March 10, 2016.
- de Haro Martí, M.E. 2016. Master Gardener Program.
Burley, Idaho. February 17. Twin Falls and Gooding, ID. February 18, 2015.
Home Composting.
Vermicomposting.
- de Haro Martí, M.E. 2015. Animal mortality and butcher waste composting. American Dairy Goat Association annual meeting. Boise, ID. October 14, 2015. *Invited presentation.*
- de Haro Martí, M.E. 2015. Composting at home. Extension at the Library Series. Gooding, Idaho. May 16, 2015.
- de Haro Martí, M.E. 2015. Master Gardener Program.
Home composting in cold climates. Hailey, Idaho. October 9, 2015.
Home Composting. Twin Falls, Idaho. March 24. Shoshone, Idaho. March 25, 2015.
Vermicomposting. Hailey, Idaho. October 9. Shoshone, Idaho. March 25. Twin Falls, Idaho. March 24, 2015.
- de Haro Martí, M.E. 2014. Urban Agriculture Workshops. Hailey, Idaho. October 23, 2014.
Home and Small Farm Composting.
Vermicomposting.
- de Haro Martí, M.E. 2014. Vermicomposting for youth. UI Extension at the Library program. Gooding, Idaho. June 20, 2014.
- de Haro Martí, M.E. 2014. Proactive Nitrogen Management in Idaho. Cassia County Ground Water Quality Advisory Committee. May 20, 2014.
- de Haro Martí, M.E. 2014. Composting of dairy manure and grape vine prunings using three different composting techniques. Idaho Nutrient Management Conference. Twin Falls, Idaho. March 6, 2014.
- de Haro Martí, M.E., A. Moore, R. Norell, and M. Chahine. 2014. Proactive nitrogen management in agriculture. Idaho Nutrient Management Conference. Twin Falls, Idaho. March 6, 2014.
- de Haro Martí, M.E. 2014. Master Gardener Program. Twin Falls, Idaho. February 4, 2014.
Home Composting.
Vermicomposting.
- de Haro Martí, M.E. 2014. Update on Yakima WA Nitrate Challenges. Middle Snake Regional Water Resource Commission. January 15, 2014.
- de Haro Martí, M.E. 2013. Composting of diversified agricultural wastes: how to match different wastes and composting techniques to improve your compost quality and reduce your operation's environmental footprint. Idaho Sustainable Ag Conference. Boise, Idaho. November 14, 2013.
- de Haro Martí, M.E. 2013. Home and Small Farm Composting. College of Southern Idaho Environmental Science BIOL 120. Gooding, Idaho. October 31, 2013.
- de Haro Martí, M.E. 2013. University of Idaho Extension Field Day. Emmett, Idaho. September 10, 2013.
Composting of grape vine prunings and dairy manure. How mixing wastes benefit producers.
Composting techniques - There are alternatives for you!
- de Haro Martí, M.E. 2013. Gooding High School Agricultural Technology. Gooding, Idaho.
Vermicomposting. May 14, 2013.
Home and Small Farm Composting. May 9, 2013.
- de Haro Martí, M.E. 2013. Idaho Master Composter and Recycler Program-Ignite session. University of Idaho President Sustainability Symposium. Via compressed video, Twin Falls, Caldwell, Moscow, and Coeur d'Alene, Idaho. Two presentations, March 19 and 20, 2013.
- de Haro Martí, M.E. 2013. Master Gardener Program.
Home Composting. Twin Falls and Rupert, Idaho. March 13, 2013.
Vermicomposting. Twin Falls and Rupert, Idaho. March 13, 2013.
- de Haro Martí, M.E. 2013. Advanced Vermicomposting – Beyond raising worms and harvesting castings. Sustainable soils workshop. Hailey, Idaho. March 7, 2013.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Waste and Nutrient Management, State (cont.):**

- de Haro Martí, M.E. 2013. Dairy Middle Management Round Table. January 24, 2013.
Manure management on Idaho dairies.
On-farm composting methods.
- de Haro Martí, M.E. 2012. Dairy manure land application field day. Buhl, Idaho. October 30, 2012.
Manure application using a tanker and disc applicator.
Manure storage lagoon management and slurry pumping.
Manure injection using a drag hose and subsurface injection system.
- de Haro Martí, M.E. 2012. On-farm composting and research. Northwest Center for Alternatives to Pesticides (NCAP) –University of Idaho Extension Organic Field Day, Rocky Fence Vineyard. Emmett, Idaho. September 27, 2012.
- de Haro Martí, M.E. 2012. Home composting and vermicomposting. Gooding Garden Club. Gooding, Idaho. September 18, 2012.
- de Haro Martí, M.E. 2012. Composting at home. Gooding Community Garden talks. Gooding, Idaho. July 19, 2012.
- de Haro Martí, M.E. 2012. Odor and insect control on dairies. University of Idaho field day. Kimberly Research and Extension Center. Kimberly, Idaho. August 16, 2012.
- de Haro Martí, M.E. 2012. Mortality and offal on-farm composting. Blue Sage Farms- Northwest Center for Alternatives to Pesticides (NCAP) Summer Field Days. Shoshone, Idaho. August 20, 2012.
- de Haro Martí, M.E. 2012. Manure collection and composting field day. Jerome, Idaho. July 24, 2012.
Manure collection.
Manure handling and separation.
Composting.
- de Haro Martí, M.E. 2012. On-Farm composting and mortality composting. University of Idaho- Northwest Center for Alternatives to Pesticides (NCAP) Summer Field Days. Kimberly Research and Extension Center. Kimberly, Idaho. July 24, 2012.
- de Haro Martí, M.E. 2012. What you buy when buying compost? Energy, Water & Soil on your Farm Operation Workshop. Gooding, Idaho. March 29, 2012.
- de Haro Martí, M.E. 2012. Farm and Dairy Employee Workshop in Spanish. Shoshone, Idaho. March 22, 2012.
Manure management.
Composting.
- de Haro Martí, M.E. 2012. Worms and Vermicomposting. Clover Elementary School, Buhl, Idaho. March 15, 2012.
- de Haro Martí, M.E. 2011. Hagerman High School Agricultural Science, Hagerman, Idaho. Composting, December 1, 2011.
Vermicomposting, December 8, 2011.
- de Haro Martí, M.E. and J. Eells. 2011. Home Composting. CSR Eco Expo-Earth Day. Twin Falls, Idaho. April 30, 2011.
- de Haro Martí, M.E. 2011. Home Composting – From waste management to gardening and food independence. Community Preparedness Symposium. Arco, Idaho. April 9, 2011.
- de Haro Martí, M.E. 2011. Vermicomposting. Community Preparedness Symposium. Arco, Idaho. April 9, 2011.
- de Haro Martí, M.E. 2011. Master Gardener Program. Buhl, Idaho. March 15, 2011.
Home and Small Farm Composting.
Vermicomposting.
- de Haro Martí, M.E. 2011. On-Farm Composting Techniques. 2011 ISDA Nutrient Management Seminar. Twin Falls, Idaho. March 8-9, 2011.
- de Haro Martí, M.E. 2010. Home and Small Farm Composting. Master Gardener Program. Shoshone, Idaho. April 22, 2010.
- de Haro Martí, M.E. 2010. Alternative Biological Manure Treatment. 2010 Nutrient Management Conference. Shoshone, Idaho. March 9, 2010.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Waste and Nutrient Management, State (cont.):**

- de Haro Martí, M.E. 2010. Composting Concepts. Jerome Elementary School, after School Program. Jerome, Idaho. February 17, 2010.
- de Haro Martí, M.E. 2009. Manure Management for Small Operators. Dexter Show. National Dexter Association Meeting. Rupert, Idaho. June 18, 2009.
- de Haro Martí, M.E. 2009. Home and Small Farm Composting. Gooding High School Environmental Education Program. Gooding, Idaho. April 6 and 8, 2009.
- de Haro Martí, M.E. 2009. Home and Small Farm Composting. Seventh Annual Thaw 'N Awe Horticultural Symposium. Idaho Falls, Idaho. March 21, 2009. *Invited presentation.*
- de Haro Martí, M.E. 2008. Composting School. Gooding, Idaho. September 24 and August 26, (3 presentations).
Compost Formulation for Larger Farms, September 24.
Introduction to Mortality Composting, September 24.
On-farm Compost Methods, August 26.
- de Haro Martí, M.E. 2008. Manure Management. Pasture and Animal Management for Small Acreage Landowners. Gooding, Idaho. January 29, 2008.

Air and Water Quality:

- de Haro Martí, M.E. 2020. Emissions reduction from dairy compost. LPELC Webinar on Emissions from composting. September 18, 2020. (Virtual presentation). <https://lpec.org/emissions-from-composting/>
- de Haro Martí, M.E. 2015. Ammonia and odor filtration from flushed dairy manure + solid separation by centrifuge + manure injection using a drag hose system field day. Buhl, ID. November 10, 2015.
Zeolite filter and its effect on ammonia and odor emissions reduction.
Dairy manure storage pond agitation using a floating pond and pump.
Dairy manure injection using a drag hose and injection system.
- de Haro Martí, M.E. 2009. Western Odor and Air Quality Education Program. Leavenworth, Washington. June 15-16, 2009.
Odor Measurement Techniques, June 15.
Odor Best Management Practices, June 15.
- de Haro Martí M.E. 2009. Odor Best Management Practices. Western Odor and Air Quality Education Program. Twin Falls, Idaho. May 19-21, 2009.
- de Haro Martí, M.E. 2008. Ammonia and Sulfur Emissions from a Storage Pond, Composting Yard, and Processing Area using UVDOAS. 2008 Idaho Nutrient Management Conference, Jerome, Idaho. March 4, 2008.
- de Haro Martí, M.E. 2007. PNWIS 2007 Conference. Powering the Future. Boise, Idaho. October 17-19, 2007.
Air Emissions from a Dairy Wastewater Storage Pond, Manure Processing Area, and Composting Yard in South central Idaho, October 18.
Air Emissions from a Low-Profile, Cross-Ventilated Dairy Barn, October 18.
- Sheffield, R.E., and **M.E. de Haro Martí**. 2007. County-based Odor Management. Jerome County Planning and Zoning Board. Jerome, Idaho. June 26, 2007.
- de Haro Martí, M.E. 2005. Monitoring Dairy Emissions Using Open-path Ultraviolet Spectroscopy. Intermountain Conference on the Environment. Pocatello, Idaho. 2005.

Environmental Science general:

State

- de Haro Martí, M.E. 2022. Planting fruit trees. Arbor Day at the Gooding Community Garden. Gooding, ID. May 5, 2022.
- de Haro Martí, M.E. 2021. Planting fruit trees. Arbor Day at the Gooding Community Garden. Gooding, ID. May 6, 2021.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Environmental Science general. State (cont.):**

- de Haro Martí, M.E. 2017. Decomposers and vermicomposting. Wendel Elementary after school program. December 16, 2016.
- de Haro Martí, M.E. 2015. Using compost as another tool for Integrated Pest Management. Cover Crops Field Day. Gooding, Idaho. October 20, 2015. One ID Pesticide Recertification Credit.
- de Haro Martí, M.E. 2015. Rain and gray water collection and use. Extension at the Library Series. Gooding, Idaho. April 11, 2015.
- de Haro Martí, M.E. 2014. Rainwater and Greywater Systems.
Minidoka Master Gardener Club. Rupert, Idaho. June 6, 2012.
Twin Falls Master Gardener Club. Twin Falls, Idaho. September 20, 2011.
- de Haro Martí, M.E. 2011. Rainwater and Greywater Systems. Wood River Valley Solar & Green Building Expo. Hailey, Idaho, May 20-21, 2011. Invited presentation.
- de Haro Martí, M.E. Idaho Master Composter and Recycler Program.
Wendell, Idaho. February 10-March 17, 2010.
Jerome, Idaho. February 2-March 16, 2011.
MCR Guidelines.
Pollution Prevention Hierarchy.
Regulatory Framework and Using Information Resources.
Reduce Concepts and Examples.
Reducing Pollution and Examples.
Reuse Concepts and Examples.
Rain Water and Grey Water Systems.
Recycling Concepts and Examples.
Recycling Resources.
Waste Treatment and Disposal and Hazardous Materials.
Bad Recycling/Reusing – What Not to do.
Home Composting and General Concepts.
On-Farm and Municipal Composting.
Composting resources.
Vermicomposting.
Black Soldier Fly and Other Alternative Treatments for Wastes.
Implementing Pollution Prevention Programs.
Community Action and Volunteer Opportunities.
- de Haro Martí, M.E. 2010. Decomposers. Presentation for third grade class at North Valley Academy School. Gooding, Idaho. May 17, 2010.
- de Haro Martí, M.E. 2010. Sustainable Environmental Education. Jerome Elementary School, after School Program. Jerome, Idaho. February 16, 2010.
- de Haro Martí, M.E. 2010. Environmental Considerations for Cow-calf and Other Beef Producers. Beef Winter School, Salmon, Idaho. February 2, 2010.
- de Haro Martí, M.E. 2009. Sustainable Environmental Education in Gooding County. Gooding High School. Gooding, Idaho. April 6, 2009.
- de Haro Martí, M.E. 2008. University of Idaho Extension and Environmental Science. Earth Day at the Gooding Public Library. Gooding, Idaho. April 23, 2008.
- de Haro Martí, M.E. 2006. Vaca Verde / Green Cow: A bilingual environmental education program for dairy workers. Jerome, Idaho. October 13 and November 17, 2006.
General Environmental Issues, October 13, 2006.
Housekeeping, November 17, 2006.

Dairy and Ag Production:

International

- de Haro Martí, M.E. 2011. Dairy Calves Raising Protocols (Spanish). International Conference on Reproduction and Nutrition of Dairy Cows. Tepatitlán, Jalisco, México, September 29, 2011. Invited presentation.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Dairy Production, International (cont.):**

- de Haro Martí, M.E. 2011. Three day Milker Certification Training. International Conference on Reproduction and Nutrition of Dairy Cows. Tepatitlán, Jalisco, México, September 28-30, 2011.
Invited presentations.
Antibiotic Residue Avoidance in Dairy Cows (Spanish), September 28, 2011.
Milking Machines and Parlors (Spanish), September 29, 2011.
Milking Procedures (Spanish), September 29, 2011.
Hands-on Milking Techniques and CMT Use Training (Spanish), September 30, 2011.

State

- de Haro Martí, M.E. 2023. Farm safety and vaccination. EXCITE vaccination clinic and education program. Murtaugh, ID. January 26, 2022. Eight presentations.
de Haro Martí, M.E. 2023. Farm safety at dairies. Gooding, ID. December 14, 2022.
de Haro Martí, M.E. 2023. Farm safety and vaccination. EXCITE vaccination clinic and education program. Jerome, ID. November 22, 2022. Eight presentations in Spanish. One in English.
de Haro Martí, M.E. 2022. Vaccination Basics. EXCITE vaccination education program. Murtagh, ID. February 22-23, 2022. Two presentations each day.
Pocatello, ID. February 16, 2022. Six presentations.
de Haro Martí, M.E. 2022. Idaho Potato Conference. Pocatello, ID. January 19-20, 2022.
Farm Safety and Vaccinations.
Tractor operations and safety training.
de Haro Martí, M.E. 2021. Tractor operations and safety training.
Hansen, ID. December 2.
Gooding, ID. May 5. Three presentations
Castleford, ID. May 4.
Gooding, ID. April 28. Two presentations.
Dietrich, ID. April 28.
de Haro Martí, M.E. 2020. Tractor operations and safety training.
Gooding, ID. June 16. Three presentations.
Dietrich, ID. June 16.
de Haro Martí, M.E. 2019. Tractor operations and safety training.
Buhl, ID. March 21.
Gooding, ID. February 8.
Dietrich, ID. February 4.
de Haro Martí, M.E. 2019. Worker's Safety in Agriculture. Idaho Potato Conference. Pocatello, ID. January 23, 2019.
de Haro Martí, M.E. 2018. Tractor operations and safety training.
Gooding, ID. February 20.
Dietrich, ID. February 23.
de Haro Martí, M.E. 2017. Extension programs and research. Idaho Dairy Herd Improvement Association Dairy Goat annual meeting. Twin Falls, ID. September 23, 2017.
de Haro Martí, M.E. 2017. Spanish Milker School (Escuela de Ordeño).
Jerome, Idaho. April 7.
Preston, Idaho. April 12.
Milking systems
Milk quality and PMO
Milker responsibilities
Biosecurity and farm safety procedures
de Haro Martí, M.E. 2016. Dairy operations in southern Idaho. International scholars' dairy tour. Magic Valley, Idaho. July 18, 2016.
de Haro Martí, M.E. 2016. Worker's Safety in Agriculture. Hispanic worker's protection and safety program (Spanish). Jerome, Idaho. March 8, 2016.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Dairy Production, State (cont.):**

- de Haro Martí, M.E. 2016. Spanish Milker School (Escuela de Ordeño).
Jerome, Idaho. March 4.
Bruneau, Idaho. January 13.
Milking systems
Milk quality and PMO
Milker responsibilities
Biosecurity and farm safety procedures
- de Haro Martí, M.E. 2014. Spanish Milker School (Escuela de Ordeño). Preston, Idaho, May 28, 2014. Two repetitive sessions, morning and evening.
Milking systems
Milk quality and PMO
Biosecurity and farm safety procedures
- de Haro Martí, M.E. 2014. Animal Welfare Training (Spanish). Preston, Idaho, November 11-12, 2014.
Workers and animal safety considerations.
Farm emergency plan and mortality disposal in emergency situations.
Animal welfare legal considerations in Idaho.
- de Haro Martí, M.E. 2013. Animal Care Certification. (Spanish and English). University of Idaho Extension and College of Southern Idaho.
Unit 7: Worker and animal safety, emergency plan, and legal considerations.
Unit 3: Matuk, C. and M.E. de Haro Martí. The Basic Clinical Exam: Key to early identification of sick animals.
- de Haro Martí, M.E. 2013. Dairy Middle Management Round Table.
Manure management on Idaho dairies. (Spanish and English).
On-farm composting methods. (Spanish and English).
- de Haro Martí, M.E. 2012. Milker's Certification on Idaho Dairies. (Spanish and English). University of Idaho Extension and College of Southern Idaho. Jerome, Idaho, October 1-3, 2012.
Unit 1: Introduction to Idaho's dairy industry.
Unit 2: Pasteurized Milk Ordinance.
Unit 3: Dairy design and components of a dairy.
Unit 4: Milking equipment.
Unit 8: Workplace safety and biosecurity.
Unit 9: Milker's responsibilities.
Three on-farm hands-on sections. Jerome, Wendell, and Twin Falls.
- Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2011. Drug Residue Avoidance in Dairy Cows (English and Spanish). Dairy Management Crossover Meeting. Jerome, Idaho, August 24, 2011.
- de Haro Martí, M.E. 2011. Protecting the Milk Supply Workshop. Jerome, Idaho, March 16, 2011.
Antibiotics Residue Avoidance (Spanish and English).
Biosecurity for Dairy Workers (Spanish and English).
- Dalton J. and **M.E. de Haro Martí**. 2010. Heat Detection: Spanish and English speaking AI school, Twin Falls, Idaho, November 15, 2010.
- de Haro Martí, M.E. 2010. Refugees Milker School (Translated live to four languages). Twin Falls, Idaho. February 8, 9, 11, and 26, 2010.
Milk around the world and Idaho production
Dairy facilities and milking parlors
Milking systems
Cow handling
Milking procedures
Milk quality
Dairy farm safety and biosecurity
Two dairy farm visits
- Dalton J. and **M.E. de Haro Martí**. 2009. Heat Detection: Spanish and English Speaking AI School, Twin Falls, Idaho, December 7 and 8, 2009.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Dairy Production, State (cont.):**

- Chahine, M, and **M.E. de Haro Martí**. On-farm Spanish Milker School (Escuela de Ordeño).
Jerome, Idaho, October 16, and October 20, 2009.
Buhl, Idaho, May 4, 2008.
Jerome, Idaho, November 16 and November 19, 2007.
Dairy facilities and milking parlors.
Milking systems.
Cow handling.
Milking procedures.
Milk quality.
- Chahine, M, and **M.E. de Haro Martí**. 2009. Spanish Milker School (Escuela de Ordeño). Twin Falls, Idaho, May 27, 2009. Two repetitive sessions, morning and evening.
Dairy facilities and milking parlors.
Milking systems.
Cow handling.
Milking procedures.
Milk quality.
Biosecurity and farm safety procedures.
- Dalton J. and **M.E. de Haro Martí**. 2008. Heat Detection: Spanish Speaking AI School. Twin Falls, Idaho, December 1, 2008.
- de Haro Martí, M.E. and M. Chahine. 2008. From feed to milk, University of Idaho Extension.
1000 Springs Festival, Hagerman, Idaho, September 27 and 28, 2008.
Idaho State Park Centennial, Hagerman, Idaho, July 12, 2008.
Jerome Historical Society, Jerome, Idaho, June 14, 2008.
- de Haro Martí, M.E. 2008. TMR mixing – Feeder School (Spanish), Preston, Idaho, March 20, 2008.
Farm Safety (Spanish).
Nutrients and the Environment (Spanish).
- de Haro Martí, M.E. 2008. TMR mixing – Feeder school (English), Preston, Idaho, March 20, 2008.
Farm Safety.
Nutrients and the Environment.
- Dalton J. and **M.E. de Haro Martí**. 2007. Heat Detection: Spanish speaking AI school, Twin Falls, Idaho, December 10, 2007.
- de Haro Martí, M.E. 2007. A training workshop for dairy Hispanic workers: Spanish Language Milker School (escuela de ordeño), Jerome, Idaho. November 16, 2007.
- de Haro Martí, M.E. 2007. A journey through the rumen. Thousand Springs Festival. Hagerman, Idaho. September 29, 30, 2007.
- de Haro Martí, M.E. 2007. TMR Mixing/Feeding School (English). September 26. Gooding Idaho.
Farm Safety.
Nutrients and the Environment.
- de Haro Martí, M.E. 2007. TMR Mixing/Feeding School (Spanish). September 25. Gooding Idaho.
Farm Safety (Spanish).
Nutrients and the Environment (Spanish).

Other or Miscellaneous:

- de Haro Martí, M.E. 2023. University of Idaho Extension for youth leaders. Gooding County 4-H Program. Gooding, ID. June 1, 2023.
- de Haro Martí, M.E. 2023. How to plant a fruit tree. Arbor Day Celebration at the Gooding Community Garden. Gooding, ID. May 4, 2023.
- de Haro Martí, M.E. 2023. UI Extension Gooding County update. Gooding Rotary Club. Gooding, ID. March 10, 2023.
- de Haro Martí, M.E. 2023. Extension report and programs updates. Board of County Commissioners. Gooding, ID. February 6, 2023.
- de Haro Martí, M.E. 2022. Extension report and programs updates. Board of County Commissioners. Gooding, ID. May 9, 2022.

**Non-Credit Classes, Presentations, Workshops, Seminars, Invited Lectures, etc.
Other or Miscellaneous, State (cont.):**

- de Haro Martí, M.E. 2021. Extension report and programs updates. Board of County Commissioners. Gooding, ID. May 24, 2021.
- de Haro Martí, M.E. 2021. Civil Rights Training. Gooding County 4-H Leaders Council. March 15, 2021.
- de Haro Martí, M.E. 2020. Gooding Community Garden. Gooding Soil Conservation District Legislative Banquet. December 7, 2020.
- de Haro Martí, M.E. 2021. Zoom operation training. Gooding, ID. December 2, 2020.
- de Haro Martí, M.E. 2020. Dairy Research & Extension Programs. Extension Advisory Board Meeting. October 14, 2020. (*Invited Virtual Presentation*).
- de Haro Martí, M.E. 2020. How to plant a fruit tree. Arbor Day Celebration at the Gooding Community Garden. May 5, 2020.
- de Haro Martí, M.E. 2020. Gooding County Extension Advisory Board. January 28, 2020. Extension reach and history in Gooding County. Mario's Extension programs.
- de Haro Martí, M.E. 2018. Work safety considerations for interns. University of Idaho Extension Internships Best Management Practices Zoom training. April 8, 2019.
- de Haro Martí, M.E. 2019. Civil rights training. Gooding 4-H Leaders' Council. Gooding, ID. March 18, 2019.
- de Haro Martí, M.E. 2018. Work safety considerations for interns. University of Idaho Extension Internships Best Management Practices Zoom training. April 27, 2018.
- de Haro Martí, M.E. 2018. Civil rights training. Gooding 4-H Leaders' Council. Gooding, ID. February 12, 2018.
- de Haro Martí, M.E. 2016. Meet a local scientist. Boy Scouts group meeting. Gooding, ID. February 23, 2016.
- de Haro Martí, M.E. 2016. Extension update. Rotary Club. Gooding, ID. January 29, 2016.
- Gill, G.K. and **M.E. de Haro Martí**. 2015. Research Leadership Ag Science Summer Internship. Twin Falls, ID. September 25, 2015.
- de Haro Martí, M.E. 2015. Extension work and experimental design. Agricultural Technology class, Gooding High School. September 15, 2015.
- de Haro Martí, M.E. 2014. How to identify a hobo spider. Advanced Master Gardener Training. Gooding, ID. August 15, 2014.
- de Haro Martí, M.E. 2013. It's a bug's world. Youth insects' presentation. Boys & Girls Club. Twin Falls. June 13, 2013.
Boys & Girls Club. Twin Falls. April 30, 2013.
- Chahine M., and **M.E. de Haro Martí**. 2012. Foreign-born workers and Idaho's food system. Idaho's Journey for Diversity and Human Rights. University of Idaho. Jerome, Idaho. October 5, 2012.
- de Haro Martí, M.E. 2008. University of Idaho Extension and Waste Management. Gooding County Fair. Gooding, Idaho. August 12-16, 2008.

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Refereed:

Journals:

- Ferreira, F., M. Rovai, M. Chahine, **M.E. de Haro Martí**, J. Wenz, J. Dalton, and N. Silva-del-Rio. 2023. Perspectives of dairy employees at the beginning of the COVID-19 pandemic: a survey of health risks and educational needs. *J. Dairy Sci. Communications*. 2023; 4:186–190.
<https://doi.org/10.3168/jdsc.2022-0253>

Refereed, Journals (cont.):

- de Haro-Martí, M.E., H. Sivula, M. Overton, L. Alessa, and A. Kliskey. 2023. Generational continuity of small dairy farms in southern Idaho: An exploration of programs to help them stay in business. *The Journal of Rural and Community Development*, 18(1), 51–69.
<https://journals.brandonu.ca/jrcd/article/view/2166>
- Ammar, H., A.E. Kholif, M. Missaoui, H. Zoabi, S. Ghzayel, **M.E. de Haro-Martí**, I.A. Molina de Almeida Teixeira, S. Fkiri, M.L. Khouja, M. Fahmy, G.A. Gouda, S. Lopez, and M. Chahine. 2023. Seasonal variation of chemical composition, ruminal fermentation and biological characteristics of Paulownia shan tong: In vitro potential use by sheep and goats. *Fermentation* 2023, 9, 210. <https://doi.org/10.3390/fermentation9030210>
- Kliskey A.A, P. Williams, E.J. Trammell, D. Cronan, D. Griffith, L. Alessa, R. Lammers, **M.E. de Haro-Martí**, and J. Oxarango-Ingram. 2023. Building trust, building futures: Knowledge co-production as relationship, design, and process in transdisciplinary science. *Front. Environ. Sci.* 11:1007105. <https://doi.org/10.3389/fenvs.2023.1007105>
- Williams P., A.A. Kliskey, D. Cronan, E.J. Trammell, **M.E. de Haro-Martí** and J. Wilson. 2023. Constructing futures, enhancing solutions: Stakeholder-driven scenario development and system modeling for climate-change challenges. *Front. Environ. Sci.* 11:1055547. <https://doi.org/10.3389/fenvs.2023.1055547>
- Ammar, H., I. Touihri, A. E. Kholif, Y. M. Rabet, R. Jaouadi, M. Chahine, **M. E. de Haro Martí**, E. Vargas-Bello-Pérez, and K. Hosni. 2022. Chemical Composition, Antioxidant, and Antimicrobial Activities of Leaves of Ajuga Iva. *Molecules* 27, no. 20: 7102. <https://doi.org/10.3390/molecules27207102>
- Ammar, H., , A. E. Kholif, Y. A. Soltan, M. I. Almadani, W. Soufan, , A. S. Morsy, S. Ouerghemmi, M. Chahine, **M.E. de Haro Martí**, S. Hassan, H. Selmi, E.H. Horst, and S. Lopez. 2022. Nutritive Value of Ajuga iva as a Pastoral Plant for Ruminants: Plant Phytochemicals and In Vitro Gas Production and Digestibility. *Agriculture*, 12(8), 1199. <http://dx.doi.org/10.3390/agriculture12081199>
- Jabri, J., H. Ammar, K. Abid, Y. Beckers, H. Yaich, A. Malek, J. Rekhis, A.S. Morsy, Y.A. Soltan, W. Soufan, M.I. Almadani, M. Chahine, **M.E. de Haro Martí**, M.K. Okla, and M. Kamoun . 2022. Effect of Exogenous Fibrolytic Enzymes Supplementation or Functional Feed Additives on In Vitro Ruminal Fermentation of Chemically Pre-Treated Sunflower Heads. *Agriculture*, 12(5), 696. <http://dx.doi.org/10.3390/agriculture12050696>
- Valdecabres A, J. Wenz, F. C. Ferreira, M. Chahine, J. Dalton, **M.E. de Haro Martí**, M. Rovai, N. Silva-Del-Río. 2021. Perspective of dairy producers from California, Idaho, South Dakota, and Washington: Health and business implications of the COVID-19 pandemic during the second wave. *J Dairy Sci.* 105 (2) 1788-1796. <https://doi.org/10.3168/jds.2021-20924>
- Ferreira, G., L.L. Martin, C.L. Teets, B.A. Corl, S.L. Hines, G.E. Shewmaker, **M.E. de Haro Martí**, and M. Chahine. 2021. Effect of drought stress on in vitro neutral detergent fiber digestibility of corn for silage. *Animal Feed Science and Technology* 273 (2021) 114803. <https://doi.org/10.1016/j.anifeedsci.2020.114803>
- Klaeui, C., **M.E. de Haro Martí**, M. Chahine, and G.E. Chibisa. 2020. Altering the particle size of supplemental zeolite (clinoptilolite): effects on nitrogen utilization and nutrient digestibility in backgrounding cattle. *Transl. Anim. Sci.* 2020.4:S132-S136. <https://doi.org/10.1093/tas/txaa120>
- Ammar, H., S. Abidi, M. Ayed, N. Moujahed, **M.E. de Haro Martí**, M. Chahine, R. Bouraoui, S. Lopez, H. Cheik M'Hamed, and H. Hechlef. 2020. Estimation of Tunisian greenhouse gas emissions from different livestock species. *Agriculture* 2020, 10(11), 562. <https://doi.org/10.3390/agriculture10110562>
- de Haro Martí, M.E., W.H. Neibling, L. Chen, and M. Chahine. 2020. On-farm testing of a zeolite filter to capture ammonia and odors from a dairy manure flushing system. *Trans. of the ASABE.* 63(3): 597-607. <https://doi.org/10.13031/trans.13556>
- Villamor, G.B., A.D. Kliskey, D.L. Griffith, **M.E. de Haro Martí**, A.M. Martinez, M. Alfaro, L. Alessa. 2020. Landscape social-metabolism in food-energy-water systems: Agricultural transformation of the Upper Snake River Basin. *Science of the Total Environment.* 705: 135817. <https://doi.org/10.1016/j.scitotenv.2019.135817>

Refereed, Journals (cont.):

- Chahine, M., **M.E. de Haro Martí**, C. Matuk, A. Aris, J. Campbell, J. Polo, A. Bach. 2019. Effects of spray-dried plasma protein in diets of early lactation dairy cows on health, milking and reproductive performance. *Animal Feed Science and Technology*, Vol. 257, 114266. <https://doi.org/10.1016/j.anifeedsci.2019.114266>
- L. Chen, W. Gray, H. Neibling, S.K.R. Yadanaparthi, M. Chahine, and **M.E. de Haro Martí**. 2014. On-farm comparison of two dairy manure application methods in terms of ammonia and odor emissions and costs. *Applied Engineering in Agriculture*. Vol. 30(5): 805-813.
- Moore, A., S. Hines, B. Brown, C. Falen, **M.E. de Haro Martí**, M. Chahine, R. Norell, J. Ippolito, S. Parkinson, and M. Satterwhite. 2014. Soil-plant interactions on manure enriched calcareous soils. *Agronomy Journal*. 106:73-80.
- Norell, R., S. Hines, M. Chahine, T. Fife, **M.E. de Haro Martí**, S. Parkinson. 2013. Comparing Three Different Methods for Assessing Corn Silage Density, *Journal of Extension*. October 2013, volume 51-5 Article 5RIB9.
- Hines, S., A. Moore, B. Brown, M. Chahine, R. Norell, **M.E. de Haro Martí**, C. Falen, T. Fife, S. Parkinson, J. Ippolito. 2012. Using Extension Phosphorus Uptake Research to Improve Idaho's Nutrient Management Planning Program, *Journal of Extension*. October 2012, volume 50-5 Article 5RIB10.
- Chahine, M. and **M. E. de Haro Martí**. 2010. ¿Cómo reducir el recuento de células somáticas? (How to reduce Somatic Cell Counts?). *Albeitar*, Spain. July 2010 (136): 4-6.
- Leytem, A.B., Bjerneberg, D.L., Sheffield, R.E., and **M.E. de Haro Martí**. 2009. Case study: On-farm evaluation of liquid dairy manure application methods to reduce ammonia losses. *Professional Animal Scientist* 25:93-98.

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- Chen, L., E. Winford, and **M. E. de Haro Martí**. 2022. Answers to common questions about greenhouse gases. University of Idaho Extension Bulletin BUL 1020. <https://www.uidaho.edu/extension/publications/publication-detail?id=bul1020>
- Hatzenbuehler, P.*, Wardropper, C., Adjesiwor, A., Burnham, M., **de Haro Martí, M. E.**, Dentzman, K., Findlay, J. R., Glaze Jr., J. B., Hinds, J., Jansen, V., Karl, J., Lamichhane, R., Lew, R., Olsen, N., Owusu Ansah, E., Powell, M., Running, K., Sagers, J., Schott, L., Walsh, O., and Wilson, B. 2021. Economic impacts of climate change on agriculture in Idaho. Idaho Climate-Economy Impacts Assessment. James A. & Louise McClure Center for Public Policy Research, University of Idaho. Boise, ID. <https://www.uidaho.edu/president/direct-reports/mcclure-center/iceia/agriculture>
- Rovai, M., L. Guifarro, **M. E. de Haro Martí**, and M. Chahine. 2020. Information on how to deal with COVID-19 for dairy workers (English and Spanish). <https://extension.sdstate.edu/information-how-deal-covid-19-dairy-workers>
- Rovai, M., L. Guifarro, **M. E. de Haro Martí**, and M. Chahine. 2020. Communicating with dairy farm employees in the time of COVID-19. <https://extension.sdstate.edu/communicating-dairy-farm-employees-time-covid-19>
- Tejeda, H., G. Ferreira, M. Chahine, and **M.E. de Haro Martí**. 2020. Risk assessment and decision-making guidelines for dairy risk management -- Part II. University of Idaho Extension Bulletin 953. <https://www.extension.uidaho/publishing/pdf/BUL/BUL953.pdf>
- Tejeda, H., G. Ferreira, M. Chahine, and **M.E. de Haro Martí**. 2020. Risk assessment and decision-making guidelines for dairy risk management -- Part III. University of Idaho Extension Bulletin 954. <https://www.extension.uidaho.edu/publishing/pdf/BUL/BUL954.pdf>
- Tejeda, H., G. Ferreira, M. Chahine, **M.E. de Haro Martí**. 2019. Risk Assessment and Decision-Making Guidelines for Dairy Risk Management: Part 1. University of Idaho Extension Bulletin BUL 952.

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International:

- L. Schott, E. Brooks, M. Chahine, and **M.E. de Haro Martí**. 2023. Challenges and Opportunities for Scaling Integrated Research from Laboratory to Commercial Operation. 2023 ASABE Annual International Meeting. July 10, 2023. Omaha, NE (Abstract).
- de Haro Martí, M.E., K. Dennis, and B. Messick. 2023. Helping southern Idaho farmers to adopt soil conservation techniques to increase soil health and reduce erosion. ASABE Soil Erosion Research under a Changing Climate International Symposium. Aguadilla, Puerto Rico. January 8-13, 2023. (Abstract). <https://doi:10.13031/soil.23095>
- Myers, C.A., **M.E. de Haro Martí**, M. Chahine, G.E. Chibisa. 2021. The effect of feeding supplemental zeolite (clinoptilolite) of two different particle sizes on measures of nitrogen utilization and nutrient digestibility in finishing beef heifers. PSIII-11 Journal of Animal Science, Volume 99, Issue Supplement_3, November 2021, (pp. 287). <https://doi.org/10.1093/jas/skab235.527>.
- Martin, L., G. Ferreira, C. L. Teets, S. Hines, G. Shewmaker, **M.E. de Haro Martí**, and M. Chahine. 2021. Effect of water stress on the digestibility of fibre in maize vegetative tissues. The Joint XXIV International Grassland and XI International Rangeland Congress, Nairobi, Kenya.
- Klaeui, C., **M.E. de Haro Martí**, M. Chahine, and G.E. Chibisa. 2020. Altering the particle size of supplemental zeolite (clinoptilolite): Effects on nitrogen utilization and nutrient digestibility in backgrounding cattle. Journal of Animal Science, 98, 213–213.
- de Haro Martí, M.E., M. Chahine, H. Neibling, and L. Chen. 2018. Use of clinoptilolite in composting of dairy manure to reduce ammonia emissions and retain nitrogen. Zeolite 2018, 10th International Conference on the Occurrence, Properties and Utilization of Natural Zeolites. Kraków, Poland. June 24-29, 2018. (Abstract and Proceedings).
- Chahine, M., T. S. Hirsch, J. M. DeFrain, T. Fife, and **M.E. de Haro Martí**. Hoof care workshop in English and Spanish. 2009. ADSA–CSAS–ASAS Joint Annual Meeting. Montréal, Quebec, Canada. J. Anim. Sci. Vol. 87, E-Suppl. 2/J. Dairy Sci. Volume 92, E- Supplement 1. (Abstract).
- Chahine, M., **M.E. de Haro Martí**, S. St Hilaire, O. Pozo, R. E. Sheffield. 2009. Black soldier fly larvae grown on cow manure. ADSA–CSAS–ASAS Joint Annual Meeting. Montréal, Quebec, Canada. J. Anim. Sci. Vol. 87, E-Suppl. 2/J. Dairy Sci. Volume 92, E- Supplement 1. (Abstract).
- Norell, R., M. Chahine, and **M. E. de Haro Martí**. 2009. Feeder schools in English and Spanish. ADSA–CSAS–ASAS Joint Annual Meeting. Montréal, Quebec, Canada. J. Anim. Sci. Volume 87, E-Suppl. 2/J. Dairy Sci. Vol. 92, E- Supplement 1. (Abstract).
- Dalton, J.C., K.S. Jensen, M. Chahine, and **M.E. de Haro Martí**. 2009. A Spanish language artificial insemination school for Idaho dairy employees. ADSA–CSAS–ASAS Joint Annual Meeting. Montréal, Quebec, Canada. J. Anim. Sci. Volume 87, E- Supplement 2/J. Dairy Sci. Vol. 92, E-Suppl. 1. (Abstract).
- Sheffield, R.E., **M.E. de Haro Martí**, J. Smith, and J. Harner. 2007. Air Emissions from a Low-Profile, Cross-Ventilated Dairy Barn. International Ammonia Conference in Agriculture. Wageningen UR. Conference Center De Reehorst. Ede, Netherlands. March 19-21, 2007.

National/Regional:

- Myers, C.A., **M.E. de Haro Martí**, M. Chahine, G.E. Chibisa. 2022. PSII-B-20 Altering the Particle Size of Supplemental Zeolite (Clinoptilolite) in Finishing Cattle Diets: Manure Characteristics and Ammonia Emissions. J. of Animal Sci. 100 (Supplement_3):364-364. October 2022. (Abstract).
- Rovai, M., **M.E. de Haro Martí**, and M. Chahine. 2021. Udder dissections give dairy employees a better understanding of milk production. American Dairy Science Association Virtual Annual Meeting. July 11-14, 2021. (Abstract).
- Silva-del-Rio, N., J. Wenz, F.C. Ferreira, M. Chahine, J. Dalton, **M.E. de Haro Martí**, M. Rovai, and M.B. Abreu. 2021. Dairy producers' perspective: Health and economic implications of the COVID-19 pandemic. American Dairy Science Association Virtual Annual Meeting. July 11-14, 2021. (Abstract).

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- Ferreira F.C., M. Rovai, N. Silva-del-Rio, M. Chahine, M.E. de Haro Martí, J. Wenz, and J. Dalton. 2021. Perspectives of dairy farm employees on the COVID-19 pandemic. *J. Dairy Sci.* Vol. 104, Suppl. 1 (#344).
- Norell, R., **M.E. de Haro Martí**, J. Wilson, M. Chahine, J. Packham, and K. Kruger. 2020. Does 500 ohms accurately describe the electrical resistance of Idaho dairy cows? American Dairy Science Association Virtual Annual Meeting. June 22-24, 2020. *J. Dairy Sci.* 103 Suppl. 1. (Abstract).
- de Haro Martí, M. E., J. Wilson, S. Elmer, P. Williams, and A. Kliskey. 2020. Integrated solutions to maintain dairy production resilience under six different future scenarios in a regional food, energy, and water systems analysis. American Dairy Science Association Virtual Annual Meeting. June 22-24, 2020. *J. Dairy Sci.* 103 Suppl. 1. (Abstract).
- Ferreira, G, C. Teets, L. Martin, S. Hines, G. Shewmaker, **M.E. de Haro Martí**, and M. Chahine. 2020. Effect of water status (drought) on in situ starch digestibility of corn for silage. American Dairy Science Association Virtual Annual Meeting. June 22-24, 2020. *J. Dairy Sci.* 103 Suppl. 1. (Abstract).
- Norell, R., J. Wilson, **M.E. de Haro Martí**, M. Chahine, and A. Ahmadzadeh. 2019. An observational study of cow contact resistance conditions on commercial dairy farms in Idaho. *J. Dairy Sci.* 102: E-supplement 1. American Dairy Science Association Annual Meeting. Cincinnati, OH. June 23-26, 2019. (Abstract).
- Martin, L., G. Ferreira, C.L. Teets, S. Hines, G. Shewmaker, **M.E. de Haro Martí**, and M. Chahine. 2019. Effect of irrigation on fiber concentration and digestibility of corn plant tissues. American Dairy Science Association Annual Meeting. Cincinnati, OH. June 23-26, 2019. (Abstract).
- de Haro-Martí, M.E., M. Chahine, H. Neibling, and L. Chen. 2017. The effect of adding zeolites to dairy manure compost on ammonia emissions and nitrogen speciation. American Dairy Science Association Annual Meeting. Pittsburgh, PA. June 25-28, 2017. *Journal of Dairy Science.* Vol. 100, Suppl. 2. (Abstract).
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- Bach, A., J. Polo, J. M. Campbell, M. Chahine, and **M.E. de Haro Martí**. Effects of spray-dried plasma product supplementation on transition and lactation on milk production and reproduction in dairy cows. American Dairy Science Association Annual Meeting. Pittsburgh, PA. June 25-28, 2017. *Journal of Dairy Science.* Vol. 100, Suppl. 2. (Abstract).
- de Haro-Martí, M.E., M. Chahine, T. McCammon, and A. Agenbroad. 2015. Composting of dairy manure and grape vine prunings as a tool to reduce both industries' environmental impact ADSA-ASAS Joint Annual Meeting. Orlando, Florida. *J. Dairy Sci.* Vol. 98, Suppl. 2. (Abstract).
- de Haro Martí, M.E., M. Chahine, L. Chen, H. Neibling. 2015. On-farm field days as a tool to demonstrate and educate about dairy waste management practices. ADSA-ASAS Joint Annual Meeting. Orlando, Florida. *J. Dairy Sci.* Vol. 98, Suppl. 2. (Abstract).
- Matuk, C.M., M. Chahine, A. Bach, B. Ozer, **M.E. de Haro Martí**, J. B. Glaze, T. Fife, M. Nelson. 2012. Effect of grouping calves post-weaning according to pre-grouping feed intake on eating behavior. ADSA-AMPA-ASAS-CSAS-WSASAS Joint Annual Meeting. Phoenix, Arizona. July 15-19, 2012. *Journal of Dairy Science*, Volume 95, E-Supplement 1. (Abstract).
- Norell, R. J., C. M. Matuk, S. Hines, M. Chahine, **M.E. de Haro Martí**, and S. C. Parkinson. 2012. Measuring dry matter of corn silage, haylage and TMR samples with a food dehydrator. ADSA-AMPA-ASAS-CSAS-WSASAS Joint Annual Meeting. Phoenix, Arizona. July 15-19, 2012. *Journal of Dairy Science*, Volume 95, E-Supplement 1. (Abstract).
- Moore, A., S. Hines, B. Brown, **M.E. de Haro Martí**, C. Falen, M. Chahine, T. Fife, R. Norell, and J. Ippolito. 2011. Influence of dairy manure applications on corn nutrient uptake. Proceedings of the Western Nutrient Management Conference. Volume 9:49-54.

Refereed, Professional Meeting Abstracts and Proceedings, National/Regional (cont.):

- Ozer, B., M., Chahine, C.M. Matuk, and **M.E. de Haro Martí**. 2011. Effect of quantity and frequency of colostrum feeding on passive transfer, health, and performance of pre-weaned and post-weaned dairy calves. Joint Annual Meeting ADSA, ASAS. New Orleans, Louisiana. July 10-14, 2011. *Journal of Dairy Science*, Volume 94, E-Supplement 1. (Abstract).
- Matuk, C.M., M. Chahine, A. Bach, B. Ozer, **M.E. de Haro Martí**, J.B. Glaze Jr., T. Fife, and M. Nelson. 2011. Effect of birth weight, early intake, and average daily gain of calves before weaning on their performance after weaning and during first lactation. Joint Annual Meeting ADSA, ASAS. New Orleans, Louisiana. July 10-14, 2011. *Journal of Dairy Science*, Volume 94, E-Supplement 1. (Abstract).
- de Haro Martí, M.E. and J.A. Robbins. 2010. Composting School: An educational tool to bring together dairy producers and other community members. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, ASAS. Denver, CO. July 11-15, 2010. *Journal of Dairy Science*, Volume 93, E-Supplement 1. (Abstract).
- de Haro Martí, M.E., R.E. Sheffield, and M. Chahine. 2010. Emissions from a dairy waste management system in south-central Idaho. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, ASAS. Denver, CO. July 11-15, 2010. *Journal of Dairy Science*, Volume 93, E-Supplement 1. (Abstract).
- Matuk, C.M., M. Chahine, A. Bach, B. Ozer, **M. E. de Haro Martí**, J.B. Glaze Jr., T. Fife, and M. Nelson. 2010. Effect of grouping calves post-weaning according to pregroupping feed intake on animal performance. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, ASAS. Denver, CO. July 11-15, 2010. *Journal of Dairy Science*, Volume 93, E-Supplement 1. (Abstract).
- Ozer, B., M., Chahine, C.M. Matuk, **M. E. de Haro Martí**, and M. Nelson. 2010. Effect of colostrum supplementation on health and performance of pre-weaned and post-weaned dairy calves. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, ASAS. Denver, CO. July 11-15, 2010. *Journal of Dairy Science*, Volume 93, E-Supplement 1. (Abstract).
- Norell, R., M. Chahine, S. Hines, T. Fife, **M.E. de Haro Martí**, and S. Parkinson. 2008. Comparing three different methods for assessing corn silage density. Joint Annual Meeting ADSA, ASAS. Indianapolis, Indiana. July 7-11, 2008. *Journal of Dairy Science* 91(E-Suppl. 1):29. (Abstract)

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- Moore A., **M.E. de Haro Martí**, and L. Chen. 2015. Sampling dairy Manure and Compost for Nutrient analysis. University of Idaho. Bulletin PNW 673.
- Gray C.W., L. Chen, **M.E. de Haro Martí**, M. Chahine, and H. Neibling. 2014. Cost of Liquid-Manure Application Systems. University of Idaho. Bulletin BUL 888.
- Ellis, L., S. Love, **M.E. de Haro-Martí**, and A. Moore. 2013. Composting and Using Backyard Poultry Waste in the Home Garden. University of Idaho. Bulletin CIS 1194.
- Chahine, Mireille; O. Pozo, and **M.E. de Haro Martí**. 2013. Appropriate Milking Routines (Spanish) (Rutinas apropiadas de ordeño). eXtension. March 2013.
<http://www.extension.org/pages/67521/rutinas-apropiadas-de-ordeo#.UpIq-uLrQdp>
- Chen L., A. Moore, **M.E. de Haro Martí**. 2012. Dairy Compost Production and Use in Idaho: On-Farm Composting Management. University of Idaho. Bulletin CIS 1190.
- Chen L., **M.E. de Haro Martí**, A. Moore, C. Falen. 2011. Dairy Compost Production and Use in Idaho: The Composting Process. University of Idaho. Bulletin CIS 1179.
- Sheffield, R.E., P. Ndegwa, M. Gamroth, and **M.E. de Haro Martí**. 2008. Odor Control Practices for Northwest Dairies. University of Idaho. Bulletin CIS 1148.
- Sheffield, R. E., B. Brown, M. Chahine, **M.E. de Haro Martí**, and C. Fallen. 2008. Mitigating High Phosphorus Soils. University of Idaho. Bulletin CIS 851.

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Smith, J., J. Harner, **M.E. de Haro Martí**, R. Sheffield, J. Zulovich, S. Pohl, C. Fulhage, R. Nicoli, B. Hetchler, L. Jacobson, K. Dhuyvetter and M. Brouk. 2007. Comprehensive Evaluation of a Low-Profile Cross-Ventilated Freestall Barn. eXtension Fact Sheet.
http://www.extension.org/pages/comprehensive_evaluation_of_a_low-profile_cross-ventilated_free_stall_barn

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Chahine, M. and **M.E. de Haro Martí**. 2009. How to Reduce Milk Somatic Cell Counts on a Commercial Dairy: a Practical Example. Eurovacum Conference, Vic, Barcelona Spain. June 10 – 11, 2009. (Abstract).

National/Regional:

- de Haro-Martí, M.E., M. Chahine, H. Neibling, and L. Chen. 2022. Use of clinoptilolite in composting of dairy manure to reduce ammonia emissions and increase stability. National Agricultural County Agents Association, 107th Annual Meeting and Professional Improvement Conference. West Palm Beach, FL. July 17-22, 2022. (Abstract).
- de Haro Martí, M.E., M. Chahine, and L. Schott. 2022. University of Idaho Sustainable Agriculture project seeks to create a bioeconomy from dairy byproducts to increase nutrient recycling. Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Oregon, OH. April 18-22, 2022. (Abstract and Proceeding).
- Klaeui, C., **M.E. de Haro Martí**, M. Chahine, G.E. Chibisa. (2020). Altering the particle size of supplemental zeolite (clinoptilolite): Effects on nitrogen utilization and nutrient digestibility in backgrounding cattle. Journal of Animal Science, suppl. Supplement 4; Champaign Vol. 98:213. (Abstract).
- de Haro Martí, M.E., J. Wilson, S. Elmer, P. Williams, D. Cronan, K. Woodhouse, A. Kliskey, and L. Alessa. 2020. Food, Energy, and Water Systems (FEWS) analysis and co-development of integrated solutions to maintain agricultural production resilience in the Magic Valley, Idaho, under six different future scenarios. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Abstract and Proceeding).
- de Haro Martí, M.E. and M. Chahine. 2020. Effect of composting dairy manure with the addition of clinoptilolite on ammonia emissions, nitrogen speciation, compost maturity and stability. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020. (Abstract and Proceeding).
- Martin, L., G. Ferreira, C.L. Teets, S. Hines, G. Shewmaker, **M.E. de Haro Martí**, and M. Chahine. 2019. Effect of irrigation on fiber concentration and in-vitro fiber digestibility of corn plant tissues. Pacific North West Animal Nutrition Conference. Boise, ID, January 14, 2019. (Abstract).
- de Haro-Martí, M.E. and M. Chahine. 2019. Effects of adding clinoptilolite zeolite on dairy manure composting mix on the Compost stability and maturity. Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Minneapolis, MN. April 23-26, 2019. (Abstract and Proceeding).
- Alessa, L., A. Kliskey, R. Lammers, D. Griffith, **M.E. de Haro Martí**, et al. 2018. INFIEWS/T3 Social ecological technological solutions to waste reuse in food, energy and water systems (NSF1639529). USDA-NSF INFIEWS PI Workshop. Alexandria, VA. May 16, 2018. (Abstract).
- de Haro-Martí, M.E., H. Neibling, M. Chahine, and L. Chen. 2017. Composting of dairy manure with the addition of zeolites to reduce ammonia emissions. Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Raleigh, NC. April 18-21, 2017. (Abstract and Proceedings).

Peer Reviewed/Evaluated, Professional Meeting Abstracts and Proceedings, National/Regional (cont.):

- de Haro-Martí, M.E., M. Chahine, T. McCammon, and A. Agenbroad. 2015. Composting of dairy manure and grape vine prunings as a tool to better manage both industries waste and reduce their environmental impact. From Waste to Worth: Advancing Sustainability in Animal Agriculture conference. Seattle, Washington. March 30 – April 3, 2015. (Abstract and Proceeding).
- de Haro Martí, M.E., L. Chen, C.W. Gray, M. Chahine, H. Neibling, T. McCammon, A. Agenbroad, J. Eells, and S.K. Reddy Yadanaparathi. 2013. On-Farm Field Days as a Tool to Demonstrate Agricultural Waste Management Practices and Educate Producers. From Waste to Worth Waste Management Conference. Denver, Colorado. April 1-5, 2013. (Abstract and Proceeding).
- de Haro Martí, M.E. and J.A. Robbins. 2009. Composting School – Materials and Methods. National Association of County Agricultural Agents Annual Conference. Portland, Oregon. (Abstract).
- de Haro Martí, M.E. and J.A. Robbins. 2009. Composting School – Materials and Methods. Program Promotional Piece, National Association of County Agricultural Agents Annual Conference. Portland, Oregon. (Abstract)
- Reese, M., R.S. Martin, C. Going, E. Fowels, R. Sheffield, and **M.E. de Haro Martí**. 2009. Comparison of Ambient Ammonia Measurement Techniques from Dairy Area Sources. Proceedings of the 2009 ASABE Annual International Meeting. Reno, Nevada. June 21-24, 2009. Paper 095724.
- Fife, T.E., M. Chahine, **M.E. de Haro Martí**, S.L. Hines, R.J. Norell, and S.C. Parkinson. 2009. Measuring corn silage density across southern Idaho using three different methods. National Association of County Agricultural Agents Annual Conference. Portland, Oregon. (Abstract).
- Sheffield, R.E., **M.E. de Haro Martí**, J.F. Smith, J.P. Harner, S. Pohl, R.S. Pohl, and D. Nicoli. 2008. Air Quality in a Low Profile Cross Ventilated Dairy Barn. Proceedings of the Dairy Housing of the Future. Sioux Falls, SD. September 10-11, 2008.
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- Chahine, M., **M. E. de Haro Martí**, T. Fife, S. L. Hines, R. J. Norell and S. Parkinson. 2008. Evaluating corn silage density measurement tools. Proceedings of the Western Region Ag Agent Conference. Prineville, Oregon.
- de Haro Martí, M.E., R. Sheffield, and M. Chahine. 2007. UV Open Path Spectroscopy Monitoring of a Manure Storage Basin, Composting Yard, and Processing Area. ASABE International Symposium on Air Quality and Waste Management for Agriculture. Broomfield, Colorado. September 15-17, 2007. (Abstract).
- Sheffield, R.E., **M.E. de Haro Martí**, J. Smith, and J. Harner. 2007. Air Emissions from a Low-Profile, Cross-Ventilated Dairy Barn. ASABE International Symposium on Air Quality and Waste Management for Agriculture. Broomfield, Colorado. September 15-19, 2007. (Abstract).
- Sheffield, R. and **M.E. de Haro Martí**. 2007. UV Spectrometry: Barns, Manure Processing, Lagoons, and Land Application. Western Dairy Air Quality Symposium. Las Vegas, Nevada. April 26-27, 2007. (Abstract).
- de Haro Martí, M.E., J.F. Smith, J.P. Harner, R.E. Sheffield, J. Zulovich, S. Pohl., C. Fulhage, D. Nicoli, B. Hetchler, L. Jacobson, K. Dhuyvetter, and M. Brouk. 2007. Comprehensive Evaluation of a low profile cross ventilated freestall barn. Western Dairy Management Conference. Reno, Nevada. March 6-8, 2007. (Proceeding).

State:

- McConnell-Soong, L., S.G. Lee, J. Peutz, **M.E. de Haro-Martí**, B. Morrisroe-Aman, and M. Chahine. 2023. Building health equity and partnerships through immunization education projects, University of Idaho Extension Annual Conference, Sun Valley, Idaho. (Abstract).
- de Haro Martí, M. E. and M. Chahine. 2018. Effect of the addition of clinoptilolite on dairy manure composting mix on the compost maturity and stability. Idaho Nutrient Management Conference. Twin Falls, ID. November 15, 2018. (Abstract and Proceedings).
- de Haro Martí, M. E., M. Chahine, H. Neibling, and L. Chen. 2016. Use of zeolites to retain nitrogen during composting treatment of dairy manure. Idaho Nutrient Management Conference (Abstract and Proceedings). Jerome, Idaho. March 10, 2016.

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- de Haro Martí, M.E., A. Agenbroad, and T. McCammon. 2014. Composting of dairy manure and grape vine prunings using three different composting techniques. Idaho Nutrient Management Conference (Abstract and Proceedings). Twin Falls, Idaho. March 6, 2014.
- Norell, R., M. Chahine, and **M.E. de Haro Martí**. 2012. Designer manures: managing manure production and nutrient quality. Idaho Nutrient Management Conference (Abstract and Proceedings). Jerome, Idaho. March 6, 2012.
- Hines, S., B. Brown, M. Chahine, C. Falen, T. Fife, J. Ippolito, **M.E. de Haro Martí**, A. Moore, S. Parkinson, and R. Norell. 2011. Silage corn phosphorus uptake in southern Idaho, Study Results. Idaho Hay and Forage Conference, Burley, Idaho. February 22, 2011. (Proceeding).
- de Haro Martí, M. E., M. Chahine, S. St Hilaire, O. Pozo, and R. E. Sheffield. 2010. Black soldier fly larvae grown on cow manure. Proceedings of the Idaho Nutrient Management Conference. Shoshone, Idaho. March 9, 2010. (Abstract).
- de Haro Martí, M.E. Alternative Biological Manure Treatment. Idaho Nutrient Management Conference. Shoshone, Idaho. March 9, 2010. (Abstract).
- Moore, A., B. Brown, **M.E. de Haro Martí**, C. Falen, M. Chahine, T. Fife, R. Norell, and J. Ippolito. 2010. Phosphorus uptake by silage corn in Southern Idaho. Proceedings of the Idaho Nutrient Management Conference. Vol. 5:26-31.
- de Haro Martí, M.E. and J.A. Robbins. 2009. Composting School – Getting the Most from Small Grants. University of Idaho Extension-CALS Annual Conference. Moscow, Idaho. (Abstract).
- Hines, S.L., B. Brown, **M.E. de Haro Martí**, C. Falen, T.E. Fife, and A. Moore. 2009. Uptake of Phosphorus in Corn Silage Across Southern Idaho. Idaho Alfalfa and Forage Conference, Burley, Idaho. February 4, 2009. (Abstract).
- Norell, R., M. Chahine, S. Hines, T. Fife, **M.E. de Haro Martí**, and S. Parkinson. 2008. Evaluating corn silage density tools. University of Idaho Extension Annual Conference. (Abstract).
- de Haro Martí, M.E. and M. Chahine. 2008. Ammonia and Sulfur Emissions from a Storage Pond, Composting Yard, and Processing Area using UVDOAS. Proceedings of the 2008 Idaho Nutrient Management Conference, Jerome, Idaho.

Research Reports:**New Curricula Developed:**

- Chahine, M., R. Norell, J. Dalton, **M.E. de Haro Martí**, C. Matuk, K.S. Jensen, C. Schneider, J.B. Glaze, G. Brumbaugh, and J.B. Hall. 2013. Animal Care Certification for Dairy Workers (Spanish and English).
- Chahine, M., R. Norell, J. Dalton, **M.E. de Haro Martí**, C. Matuk, and K.S. Jensen. 2013. ABS Dairy reproduction training (Spanish and English).
- Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2012. Milker's Certification on Idaho Dairies. (Spanish and English). University of Idaho Extension and College of Southern Idaho.
- Chahine, M. and **M.E. de Haro Martí**. 2011. Three day Milker Certification Training (Spanish).
- de Haro Martí, M.E. Idaho Master Composter and Recycler, ED 405/505, 1 Credit. Spring 2011.
- de Haro Martí, M.E. Idaho Master Composter and Recycler, EDCI 405/505, 1 Credit. 2010.
- de Haro Martí, M.E. and J.A. Robbins. 2010. Idaho Master Composter and Recycler Program.
- de Haro Martí, M.E. and J.A. Robbins. 2008. Composting School.
- de Haro Martí, M.E. 2007. Sustainable Environmental Education in Gooding County.
- Chahine M., **M.E. de Haro Martí**, and T. Fife. 2007. Hoof Trimming Workshop: Developed in English and Spanish.
- Chahine, M., R. Norell, and **M.E. de Haro Martí**. 2007. Feeding school/TMR mixing School: Developed in English and Spanish.
- Sheffield, R.E., M. Chahine, R. Norell, and **M.E. de Haro Martí**. 2006. Vaca Verde-Green Cow Environmental Curricula: Developed in English and Spanish.

Refereed (in press):

Peer Reviewed (in press):**Other:****University of Idaho Extension Impact Statements:**

- McConnell-Soong, L., J. Peutz, **M.E. de Haro-Martí**, S.G. Lee, M. Chahine, and B. Morrisroe-Aman. 2023. EXCITE team integrates farm safety and immunization education, access to vaccines.
- McConnell-Soong, L., J. Peutz, **M.E. de Haro-Martí**, S.G. Lee, M. Chahine, and B. Morrisroe-Aman. 2023. EXCITE program establishes innovative model for mobile vaccine clinics.
- McConnell-Soong, L., J. Peutz, S.G. Lee, M. Chahine, B. Morrisroe-Aman, and **M.E. de Haro-Martí**. 2023. UI Extension collaborative on immunization teaching and engagement.
- Duellman, K.A., P.J.S. Hutchinson, J. M. Marshal, and **M.E. de Haro Martí**. 2022. Ag Talk Tuesday series keeps Idaho producers informed. Impact statement.
- de Haro Martí, M.E. 2019. Zeolite filter reduces ammonia and odor emissions from dairy manure flush pit.
- de Haro-Martí, M.E. 2017. Recycling at the Fair program educates the community and reduces costs.
- de Haro-Martí, M.E. 2017. Idaho Nutrient Management Conference updates audience on latest developments.
- de Haro-Martí, M.E. 2015. Recycling food waste reduces school environmental impact, teaching ag concepts.
- de Haro Martí, M.E., M. Chahine, and B. Ozer. 2011. Colostrum supplement trial demonstrates reduced immunity transfer in dairy calves.
- Hines, S., B. Brown, M. Chahine, C. Falen, T. Fife, J. Ippolito, **M.E. de Haro Martí**, A. Moore, S. Parkinson, R. Norell. 2011. Phosphorus uptake study provides valuable information for nutrient planners.
- de Haro-Martí, M.E. 2009. Western odor and air quality education program offered in Idaho.
- de Haro-Martí, M.E. and J.A. Robbins. 2009. Composting School – Materials and Methods.
- de Haro-Martí, M.E., M. Chahine and R. Norell. 2008. Feeder School in English and Spanish.
- Fife, T., **M.E. de Haro-Martí**, and M. Chahine. 2008. Hoof Care Workshop in English and Spanish.

Book Chapters:

- Sheffield, R.E., **M.E. de Haro-Martí**, J. Smith, and J. Harner. 2007. Air Emissions from a Low-Profile, Cross-Ventilated Dairy Barn. Ammonia emissions in agriculture, (pp. 117-118). Wageningen Academic Publishers, Wageningen, The Netherlands, 2007. ISBN 978-90-8686-029-6.

Research Reports:

- de Haro Martí, M.E. 2017. On-farm use of zeolites with composting and air filtration technologies to control ammonia emissions, odor, and nitrogen retention from dairy manure. Research advance report. University of Idaho Extension Twin Falls R&E Center. November 22, 2016.
- de Haro Martí, M.E. and M. Chahine. 2015. Update on University of Idaho Extension dairy environmental research. NC2042 Research group. Barcelona, Spain. October 21, 2015.
- de Haro Martí, M.E. 2014. Update on University of Idaho Extension waste and nutrient management research and Extension programs.
Cassia County Ground Water Quality Advisory Committee. May 20.
Middle Snake Regional Water Resource Commission. January 15.
- de Haro Martí, M.E. 2012. Flow through vermicompost reactor research report. Gooding, Idaho. February 28, 2012.
- de Haro Martí, M.E. 2009. University of Idaho Manure Management, Air & Water Quality Research and Extension Programs. Presentation for the Jerome County Commissioners by request. Jerome, Idaho. March 23, 2009.

Research Reports, (cont.):

- de Haro Martí, M.E. 2008. Update on University of Idaho Research Related to CAFO and Water Quality in Idaho. Presentation for the Middle Snake Regional Water Resource Commission by request. Twin Falls, Idaho. November 19, 2008.
- de Haro Martí, M.E. 2008. Update on Manure Management & Air Quality Research in Idaho. Presentation for the University of Idaho Extension Advisory Board. Twin Falls, Idaho. April 14, 2008.
- de Haro Martí, M.E. and Sheffield, R. 2007. Manure Management & Air Quality Programs in Idaho. Presentation for the University of Idaho Extension Advisory Board. Twin Falls, Idaho. October 17, 2007.

Thesis and Dissertations:

- de Haro Martí, M.E. 2018. Ph.D. Dissertation. On-Farm use of Clinoptilolite Zeolite with Composting and Air Filtration Technologies to Control Ammonia Emissions, Odor, and Nitrogen Retention from Dairy Manure. Twin Falls, ID. May 2018. 185 pages.
- de Haro Martí, M.E. 2007. M.S. Thesis. Air Quality Monitoring on Dairies using Ultraviolet Open Path Spectroscopy. University of Idaho. May 2007. 190 pages.

Scholarly Presentations and Other Creative Activities:**Presentations, Workshops, Seminars, Invited Lectures, etc.:****International**

- de Haro Martí, M.E. 2007. Air Emissions from a Low-Profile, Cross-Ventilated Dairy Barn. International Ammonia Conference in Agriculture. Wageningen UR. Conference Center De Reeherst. Ede, Netherlands. March 19-21, 2007.

National/Regional

- de Haro Martí, M.E. 2008. Composting School – Materials and Methods. Western Region Ag Agent Conference. Prineville, Oregon. October 16, 2008.
- de Haro Martí, M.E. 2007. UV Open Path Spectroscopy Monitoring of a Manure Storage Basin, Composting Yard, and Processing Area. ASABE International Symposium on Air Quality and Waste Management for Agriculture. Broomfield, Colorado. September 15-17, 2007.

State

- de Haro Martí, M.E. 2009. Composting School – Getting the Most from Small Grants. University of Idaho Extension-CALS Annual Conference. Moscow, Idaho. March 13, 2009.

Displays and Posters:**International:**

- L. Schott, E. Brooks, M. Chahine, and **M.E. de Haro Martí**. 2023. Challenges and Opportunities for Scaling Integrated Research from Laboratory to Commercial Operation. 2023 ASABE Annual International Meeting. July 10, 2023. Omaha, NE (Poster).
- de Haro Martí, M.E., K. Dennis, and B. Messick. 2023. Helping southern Idaho farmers to adopt soil conservation techniques to increase soil health and reduce erosion. ASABE Soil Erosion Research under a Changing Climate International Symposium. Aguadilla, Puerto Rico. January 8-13, 2023. (Poster).
- <https://topsoil.nserl.purdue.edu/~flanagan/erosymp2023/Presentations/23095-Mario-de-Haro.pdf>

Displays and Posters, International (cont.):

- de Haro Martí, M.E., M. Chahine, H. Neibling, and L. Chen. 2018. Use of clinoptilolite in composting of dairy manure to reduce ammonia emissions and retain nitrogen. Zeolite 2018, 10th International Conference on the Occurrence, Properties and Utilization of Natural Zeolites. Kraków, Poland. June 24-29, 2018. (Poster).
- Chahine, M., **M.E. de Haro Martí**, S. St Hilaire, O. Pozo, and R. E. Sheffield. 2009. Black soldier fly larvae grown on cow manure. ADSA–CSAS-ASAS Joint Annual Meeting. Montréal, Quebec, Canada. (Poster).
- Chahine, M., T.S. Hirsch, J.M. DeFrain, T. Fife, and **M.E. de Haro Martí**. 2009. Hoof care workshop in English and Spanish. ADSA–CSAS-ASAS Joint Annual Meeting. Montréal, Quebec, Canada. (Poster).
- Norell, R., M. Chahine, and **M.E. de Haro Martí**. 2009. Feeder schools in English and Spanish. ADSA–CSAS-ASAS Joint Annual Meeting. Montréal, Quebec, Canada. (Poster).
- Dalton, J.C., K.S. Jensen, M. Chahine, and **M.E. de Haro Martí**. 2009. A Spanish language artificial insemination school for Idaho dairy employees. ADSA–CSAS-ASAS Joint Annual Meeting. Montréal, Quebec, Canada. (Poster).
- Sheffield, R.E., **M.E. de Haro Martí**, J. Smith, and J. Harner. 2007. Air Emissions from a Low-Profile, Cross-Ventilated Dairy Barn. International Ammonia Conference in Agriculture. Wageningen UR. Conference Center De Reeorst. Ede, Netherlands. March 19-21, 2007. (Poster).

National/Regional:

- de Haro-Martí, M.E., M. Chahine, H. Neibling, and L. Chen. 2022. Use of clinoptilolite in composting of dairy manure to reduce ammonia emissions and increase stability. National Agricultural County Agents Association, 107th Annual Meeting and Professional Improvement Conference. West Palm Beach, FL. July 17-22, 2022. (Poster).
- de Haro-Martí, M.E., M. Chahine and L. Schott. 2022. University of Idaho Sustainable Agriculture project seeks to create a bioeconomy from dairy byproducts to increase nutrient recycling. Waste to Worth, Advancing Sustainability in Animal Agriculture Conference. Oregon, OH. April 18-22, 2022. (Poster).
- Does 500 ohms accurately describe the electrical resistance of Idaho dairy cows? Norell, R., M.E. de Haro Martí, J. Wilson, M. Chahine, J. Packham, and K. Kruger. 2020. American Dairy Science Association Virtual Annual Meeting. June 22-24, 2020. J. Dairy Sci. 103 Suppl. 1. (Virtual poster).
- Integrated solutions to maintain dairy production resilience under six different future scenarios in a regional food, energy, and water systems analysis. de Haro Martí, M. E., J. Wilson, S. Elmer, P. Williams, and A. Kliskey. 2020. American Dairy Science Association Virtual Annual Meeting. June 22-24, 2020. J. Dairy Sci. 103 Suppl. 1. (Virtual poster).
- de Haro-Martí, M.E. and M. Chahine. 2019. Effects of adding clinoptilolite zeolite on dairy manure composting mix on the Compost stability and maturity. Waste to Worth, Advancing Sustainability in Animal Agriculture Conference. Minneapolis, MN. April 23-26, 2019. (Poster).
- L. Martin, G. Ferreira, C.L. Teets, S. Hines, G. Shewmaker, **M.E. de Haro Martí**, and M. Chahine. 2019. Effect of irrigation on fiber concentration and in-vitro fiber digestibility of corn plant tissues. Pacific North West Animal Nutrition Conference. Boise, ID, January 14, 2019. (Poster).
- Alessa, L., A. Kliskey, R. Lammers, D. Griffith, **M.E. de Haro Martí**, et al. 2018. INFEWS/T3 Social ecological technological solutions to waste reuse in food, energy and water systems (NSF1639529). USDA-NSF INFEWS PI Workshop. Alexandria, VA. May 16, 2018. (Poster).
- de Haro-Martí, M.E., M. Chahine, H. Neibling, and L. Chen. 2017. The effect of adding zeolites to dairy manure compost on ammonia emissions and nitrogen speciation. American Dairy Science Association Annual Meeting. Pittsburgh, PA. June 25-28, 2017. (Poster).
- Norell, R., J. Spencer, A. Ahmadzadeh, **M.E. de Haro Martí**, and M. Chahine. 2017. Does a 500 ohm shunt resistor accurately characterize the electrical resistance of adult dairy cattle? American Dairy Science Association Annual Meeting. Pittsburgh, PA. June 25-28, 2017. (Poster).

Displays and Posters, National/Regional (cont.):

- Bach, A., J. Polo, J. M. Campbell, M. Chahine, and **M.E. de Haro-Martí**. Effects of spray-dried plasma product supplementation on transition and lactation on milk production and reproduction in dairy cows. American Dairy Science Association Annual Meeting. Pittsburgh, PA. June 25-28, 2017. (Poster).
- de Haro-Martí, M.E., H. Neibling, M. Chahine, and L. Chen. 2017. Composting of dairy manure with the addition of zeolites to reduce ammonia emissions. Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Raleigh, North Carolina. April 18-21, 2017. (Poster).
- de Haro-Martí, M.E., M. Chahine, T. McCammon, and A. Agenbroad. 2015. Composting of dairy manure and grape vine prunings as a tool to reduce both industries' environmental impact ADSA-ASAS Joint Annual Meeting. Orlando, Florida. (Poster).
- de Haro Martí, M.E., M. Chahine, L. Chen, H. Neibling. 2015. On-farm field days as a tool to demonstrate and educate about dairy waste management practices. ADSA-ASAS Joint Annual Meeting. Orlando, Florida. (Poster).
- de Haro-Martí, M.E., M. Chahine, T. McCammon, and A. Agenbroad. 2015. Composting of dairy manure and grape vine prunings as a tool to better manage both industries waste and reduce their environmental impact. From Waste to Worth: Advancing Sustainability in Animal Agriculture conference. Seattle, Washington. March 30 – April 3, 2015. (Poster).
- L. Chen, S.K.R. Yadanapathi, **M.E. de Haro Martí**, W. Gray, H. Neibling, M. Chahine. 2014. On-Farm Evaluation of Two Liquid Dairy Manure Application Methods to Reduce Odor and Ammonia Emission. ASABE Agricultural equipment Technology Conference. Louisville, Kentucky. February 10-12, 2014. (Poster).
- de Haro Martí, M.E., L. Chen, C.W. Gray, M. Chahine, H. Neibling, T. McCammon, A. Agenbroad, J. Eells, and S.K. Reddy Yadanaparthi. 2013. On-Farm Field Days as a Tool to Demonstrate Agricultural Waste Management Practices and Educate Producers. From Waste to Worth Waste Management Conference. Denver, Colorado. April 1-5, 2013. (Poster).
- Matuk, C.M., M. Chahine, A. Bach, B. Ozer, **M.E. de Haro Martí**, J. B. Glaze, T. Fife, M. Nelson. 2012. Effect of grouping calves post-weaning according to pre-grouping feed intake on eating behavior. ADSA-AMPA-ASAS-CSAS-WSASAS Joint Annual Meeting. Phoenix, Arizona. July 15-19, 2012. (Poster).
- Norell, R. J., C. M. Matuk, S. Hines, M. Chahine, **M.E. de Haro Martí**, and S. C. Parkinson. 2012. Measuring dry matter of corn silage, haylage and TMR samples with a food dehydrator. ADSA-AMPA-ASAS-CSAS-WSASAS Joint Annual Meeting. Phoenix, Arizona. July 15-19, 2012. (Poster).
- Ozer, B., M., Chahine, C.M. Matuk, and **M.E. de Haro Martí**. 2011. Effect of quantity and frequency of colostrum feeding on passive transfer, health, and performance of pre-weaned and post-weaned dairy calves. Joint Annual Meeting ADSA, ASAS. New Orleans, Louisiana. July 10-14, 2011. (Poster).
- Matuk, C.M., M. Chahine, A. Bach, B. Ozer, **M.E. de Haro Martí**, J.B. Glaze Jr., T. Fife, and M. Nelson. 2011. Effect of birth weight, early intake, and average daily gain of calves before weaning, on their performance after weaning and during first lactation. Joint Annual Meeting ADSA, ASAS. New Orleans, Louisiana. July 10-14, 2011. (Poster).
- Moore, A., B. Brown, S. Hines, **M.E. de Haro Martí**, M. Chahine, C. Falen, J. Ippolito, and T. Fife. 2010. Interactions Between Heavy Manure Applications and Nutrient Uptake in Silage Corn. ASA-CSSA-SSSA International Annual Meeting Long Beach, California. October 31-November 4, 2010. (Poster).
- de Haro Martí, M.E. and J.A. Robbins. 2010. Composting School: An educational tool to bring together dairy producers and other community members. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, ASAS. Denver, Colorado. July 11-15, 2010. (Poster).
- de Haro Martí, M.E., R.E. Sheffield, and M. Chahine. 2010. Emissions from a dairy waste management system in south-central Idaho. Joint Annual Meeting ADSA, PSA, AMPA, CSAS, ASAS. Denver, Colorado. July 11-15, 2010. (Poster).
- de Haro Martí, M.E. and J.A. Robbins. 2009. Composting School – Materials and Methods. National Association of County Agricultural Agents Annual Conference. Portland, Oregon. (Poster).

Displays and Posters, National/Regional (cont.):

Fife, T.E., M. Chahine, **M.E. de Haro Martí**, S.L. Hines, R.J. Norell, and S.C. Parkinson. 2009. Measuring Corn Silage Density Across Southern Idaho Using Three Different Methods. National Association of County Agricultural Agents Annual Conference. Portland, Oregon. (Poster).

State:

- McConnell-Soong, L., S.G. Lee, J. Peutz, **M.E. de Haro-Martí**, B. Morrisroe-Aman, and M. Chahine. 2023. Building health equity and partnerships through immunization education projects, University of Idaho Extension Annual Conference, Sun Valley, Idaho. (Poster).
- de Haro Martí, M.E. University of Idaho Extension Display. Gooding County Fair. 2022, 2021, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008.
- de Haro Martí, M.E. 2016. Dairy production and environmental management display. University of Idaho Extension Twilight Tour. Kimberly, Idaho. July 20, 2016.
- de Haro Martí, M.E., R. Norell, and M. Chahine. University of Idaho Extension Dairy Display. Ag Days, BYU. Rexburg, Idaho. June 18, 2015. May 22, 2014.
- de Haro Martí, M.E. College of Southern Idaho earth day sustainability expo display. Twin Falls, Idaho. April 22, 2015. April 22, 2013.
- de Haro Martí, M.E. 2013. Vermicomposting for youth display. Gooding Library Story Telling at the Park. Gooding, Idaho. June 6, 2014.
- de Haro Martí, M.E., L. Chen, C.W. Gray, M. Chahine, H. Neibling, T. McCammon, A. Agenbroad, J. Eells, and S.K. Reddy Yadanaparathi. 2014. On-Farm Field Days as a Tool to Demonstrate Agricultural Waste Management Practices and Educate Producers. Idaho Nutrient Management Conference. Twin Falls, Idaho. March 6, 2014. (Poster).
- de Haro Martí, M.E. and E. Wenninger. 2011. Idaho Insects of Interest Display. University of Idaho Extension Twilight Tour. Kimberly, July 18, 2018. Thousand Springs Festival. Wendell, Idaho. September 24-25, 2011. Jerome Historical Society Days. Jerome, Idaho. September 17, 2011. Gooding County Fair, 2017, 2016, 2015, 2014, 2013, 2012, 2011.
- de Haro Martí, M.E. UI Waste Management Research, University of Idaho Extension and Research Display. Kimberly R&E Center/Twin Falls R&E Center Twilight Tour. Kimberly, Idaho. July, 2012, 2010, 2009, 2008.
- de Haro Martí, M.E. University of Idaho Extension Display. Thousand Springs Festival. Wendell, Idaho. September 24-25, 2011. Also in 2009, 2008, 2007.
- de Haro Martí, M.E. and M. Chahine. University of Idaho Extension Display. Jerome Historical Society Days. Jerome, Idaho. September 17, 2011. Also in 2010, 2009.
- de Haro Martí, M.E. and L. Hunter. Composting and Environmental Education. University of Idaho Extension Display. Hailey Farmers Market. Hailey, Idaho. July 1, 2010.
- Chahine, M., **M. E. de Haro Martí**, S. St Hilaire, O. Pozo, and R. E. Sheffield. 2010. Black soldier fly larvae grown on cow manure. 2010 Nutrient Management Conference. Shoshone, Idaho, March 9, 2010. (Poster).

Professional Meeting Papers, Workshops:

- de Haro Martí M.E., M., R.E. Sheffield, and M. Chahine. 2008. Air Emissions from a Dairy Wastewater Storage Pond, Manure Processing Area, and Composting Yard in Idaho. Poster, Nutrient Management Conference. Jerome, Idaho. March 4, 2008. (Poster).
- de Haro Martí, M.E., and R. Sheffield. 2005. Monitoring Dairy Emissions Using Open-path Ultraviolet Spectroscopy. Poster, Intermountain Conference on the Environment. Pocatello, Idaho. 2005. (Poster).
- Sheffield, R. E. and **M.E. de Haro Martí**. 2007. PNWIS 2007 Conference. Powering the Future. October 17-19, 2007. Boise, Idaho. Served as Session Chair.
- Sheffield, R. E. and **M.E. de Haro Martí**. 2007. County-based odor management. Jerome County Planning and Zoning Board. Jerome, ID. June 26, 2007.

Professional Meeting Papers, Workshops (cont.):

- Sheffield, R., M. Chahine, **M.E. de Haro Martí**, R. Norell, and K. Anderson. 2006. Vaca Verde / Green Cow: A bilingual environmental education program for dairy workers. Jerome ID. October 13 and November 17, 2006.
- de Haro Martí, M.E., and M. Muñoz. 1996. Solid Domestic Wastes, Centenario City Project. Solid Domestic Wastes- Problematic and Treatment Workshop. Neuquén, Argentina.
- de Haro Martí, M.E., and M. Muñoz. 1995. Environmental Impact of Activities of Hydrocarbon Exploitation. Neuquén, Argentina.

Grants and Contracts Awarded:**Funded:**

- de Haro-Martí, M.E. Gooding County Support. Annually negotiated Extension operating budget. FY 2023: \$124,862; FY 2022: \$113,218; FY 2021: \$111,135; FY 2020: 110,504; FY 2019: \$106,640; FY 2018: \$77,866; FY 2017: \$78,401; FY 2016: \$76,694.
- Peutz J.D., M. Chahine, **M.E. de Haro Martí**, S.G. Lee, J. Kim, and M. Morrisroe-Aman. 2022. Extension Collaborative on Immunization Teaching & Engagement Activity II. Center for Disease Control and Prevention (Extension Foundation). \$199,898 (Spending authority \$25,000).
- Connor, A., E. Walsh, **M.E. de Haro Martí**, E. Rowan, and S. Krantz. 2021-2023. Improving soil health, environmental conditions, and production via waste and vegetation management. USDA-NRCS-CIG grant. \$ 118,373 (Spending authority \$20,000).
- de Haro-Martí, M.E. and B. Messick. 2021. Gooding Community Garden expansion, projecting a successful model to neighboring communities and expanding our reach by serving new clientele. Supporting urban agriculture, conservation education, and fighting food insecurity. National Association of Conservation Districts Urban Agriculture Conservation Initiative. \$50,000.
- Chahine, M. and **M.E. de Haro Martí**. 2021. Evaluating the Neatmeter on an Idaho Dairy Farm. RAKR. \$10,289.47 (full spending authority).
- Amende, J., J.D. Peutz, M. Chahine, **M.E. de Haro Martí**, S.G. Lee, J. Kim, and M. Morrisroe-Aman. 2021. Extension Collaborative on Immunization Teaching & Engagement Activity I. Center for Disease Control and Prevention. \$ 24,174 (Spending authority \$3,000).
- Schott, L., L. Chen, **M.E. de Haro Martí**, and J. Jamison. 2020. Idaho nutrient and waste management case studies videos. USDA-WSARE. \$3,600 (Spending authority \$1,200).
- Schott, L., J. Jamison, S. Hines, **M.E. de Haro Martí**, J.H. Packham, and G. Loomis. 2020. Evaluating biostimulants for use in southern Idaho. WSARE Mini grant. \$3,000.
- McGuire, M.A., and 27 collaborators including **M.E. de Haro Martí**. 2019-2025. Creating a new bioeconomy for dairies to increase nutrient recycling, enhance productivity of crops, and stimulate prosperity in rural America. USDA-NIFA Sustainable Agricultural Systems program. \$ 9,999,927. (Spending authority \$1,200,000).
- de Haro-Martí, M.E. and B. Messick. 2019. Gooding Community Garden, educating communities on conservation practices and assisting community members who suffer food insecurity. National Association of Conservation Districts Urban Agriculture Conservation Initiative. \$42,000.
- Tejeda, H., G. Ferreira, M. Chahine, R. Norell, **M.E. de Haro Martí**, A. Westerhold, S. Jensen, M.K. Kim, R. Larsen, J. Dallin, and K. Chapman. 2018. Hands-on Educational Workshops to Improve Risk Management and Financial Decision-Making for Dairy Farmers in the Western Region. USDA-NIFA Western Extension Risk Management Education Center. \$49,998. (Spending Authority \$5,500).
- Chahine, M., G. Ferreira, G. Shewmaker, S. Hines, and **M. E. de Haro-Martí**. 2018. Transferring knowledge to trainers on water conservation practices and their effects on forage quality to ensure environmental and economic sustainability of livestock production systems. Western SARE mini-grant. \$5,820. (Spending Authority \$2,000).

Grants and Contracts Awarded, Funded (cont.):

- Alessa, L., R. Lammers, A. Kliskey, E.J. Trammel, D. Griffith, S. Zuidema, A. Prousevitich, F. Liao, S. Dengler, **M.E. de Haro-Martí**, P. Williams, G. Villamor, S. Gilmore, and A. Davis. 2016-19. INFEWS/T3: Social-ecological-technological solutions to waste reuse in food, energy, and water systems (ReFEWS). National Science Foundation. \$2,698,207. (Spending authority \$77,000).
- Norell, R., J. Spencer, A. Ahmadzadeh, **M.E. de Haro-Martí**, and M. Chahine. 2017. Measuring electrical resistance of dairy cattle. Idaho Dairywomen's Association. \$17,786. (Spending Authority \$4,000).
- Tejeda, H., G. Ferreira, M. Chahine, R. Norell, **M.E. de Haro-Martí**, J. Hogge, R. Findlay, S. Harrison, J. Packham, S. Jensen, and S. Graf. 2017. Risk Assessment and Management Education for Dairy Farmers in the Western Region. USDA-NIFA. \$39,573. (Spending Authority \$4,500).
- de Haro Martí, M.E., R. Norell, H. Neibling, and L. Chen. 2017. Manure School: Land application of manure and other organic amendments. University of Idaho Extension Topic Team grant. \$5,000.
- de Haro Martí, M.E., B. Messick, and T. Woodland. 2017. Cover crops field days at Gooding Community Garden. University of Idaho Extension Critical Issues grant. \$3,300.
- Chen, L., H. Neibling, **M.E. de Haro-Martí**, and S. Kulesza. 2017. Dairy Manure Solid/Nutrient Separation. University of Idaho Extension Critical Issues grant. \$4,999. (Spending Authority \$1,500).
- Norell, R., M. Chahine, J. Dalton, M. E. de Haro-Martí, S. Jensen, and C. Matuk Sarinara. 2015. Developing short videos for training dairy workers. University of Idaho Extension Dairy Topic Team. \$3,750. (Spending Authority \$2,800).
- de Haro-Martí, M.E., et al. 2014. Short videos as a tool to educate on Best Management Practices directed at reducing nitrates impact in Idaho surface and sub-surface waters. SWWAM Topic Team (15 collaborators). University of Idaho Extension Topic Team Grant. \$3,750.
- de Haro-Martí, M.E., M. Chahine L. Chen, and C. Matuk. 2013. Dairy on-farm composting school in Spanish and English. University of Idaho Extension Critical Issues grant. \$2,133.
- Chahine, M., R. Norell, J. Dalton, **M.E. de Haro Martí**, K.S. Jensen, C. Schneider, J.B. Glaze, G. Brumbaugh, and J.B. Hall. 2013. Dairy workers Top Ten guidelines to improve animal welfare. United Dairyman of Idaho. \$4,750. (Spending Authority \$2,500).
- Chahine, M., R. Norell, J. Dalton, **M.E. de Haro Martí**, K.S. Jensen, C. Schneider, J.B. Glaze, G. Brumbaugh, and J.B. Hall. 2013. Dairy workers Top Ten guidelines to improve animal welfare. Idaho Beef Council. \$6,839. (Spending Authority \$2,500).
- Chahine, M., R. Norell, J. Dalton, **M.E. de Haro Martí**, K.S. Jensen, C. Schneider, J.B. Glaze, G. Brumbaugh, and J.B. Hall. 2013. Developing a Dairy Animal Welfare Training for Dairy Workers in English and Spanish. University of Idaho Extension Topic Team grant. \$10,000. (Spending Authority \$4,000).
- Agenbroad, A., Etter S, and **M.E. de Haro Martí**. 2013. Creating an Idaho Master Composter Program for Small Acreage Landowners, Producers, Agricultural Professionals and Extension Volunteers. University of Idaho-SARE Mini Grants. \$1,500. (Spending Authority \$800).
- Chahine, M., **M.E. de Haro Martí**, J. Dalton, R. Norell, S. Jensen, S. Etter, J. Packham. 2012. Training for Hispanic Dairy Middle Managers. University of Idaho Extension Topic Team grants. \$2,790. (Full Spending Authority).
- de Haro Martí, M.E., L. Chen, H. Neibling, M. Chahine. 2011, 2012. Using zeolites to control odor, air emissions, and nutrient retention on Idaho dairy operations. USDA- NRCS Idaho Conservation and Innovation Grants. \$66,202.
- de Haro Martí, M.E., T. McCammon, A. Agenbroad, L. Clayton. 2011. Composting of grape vines pruning: a solution for organic and conventional producers. USDA- NRCS Idaho Conservation and Innovation Grants. \$21,934.
- Chen, L., **M.E. de Haro Martí**, H. Neibling, M. Chahine, C.W. Gray. 2011. Demonstration and Evaluation of Alternative Manure Management Techniques in Southern Idaho. USDA- NRCS Conservation and Innovation Grants. \$31,249. (Spending authority \$15,500).

Grants and Contracts Awarded, Funded (cont.):

- Chen, L., S. Hoff, H. Neibling, **M.E. de Haro Martí**, B.B. He. W. Gray. 2011, 2012. Implementation of Biofiltration Technology. USDA-NRCS Conservation and Innovation Grants. \$328,328. (Spending authority \$100,700).
- Chahine, M. and **M.E. de Haro Martí**. 2011. Delivering Hispanic Educational Curriculum and Workshops to Dairy Workers that are Providing Animal Health Care on a Routine Basis. Sub-contract grant from Texas A&M and U.S. Department of Homeland Security. \$5,000. (Full spending authority).
- de Haro Martí, M.E. 2011. Forced aerated composting of dairy calf mortalities and slaughter wastes demonstration units. University of Idaho-SARE Mini Grants. \$1,000.
- de Haro Martí, M.E. 2010. Applying Video Technology as Extension Education Tool. University of Idaho Extension Critical Issues grant. \$1,350.
- de Haro Martí, M.E., E. Wenninger, and J.A. Robbins. 2010. Southern Idaho Insects of Interest Display. University of Idaho Extension Critical Issues grant. \$1,800.
- Moore, A., B. Brown, M. Chahine, R. Norell, **M.E. de Haro Martí**, C. Falen, T. Fife, and S. Hines. 2010. University of Idaho Extension Critical Issues grant. Nutrient accumulation of manured soils in Southern Idaho. \$3,000. (Spending Authority \$1,200).
- de Haro Martí, M.E., and J. A. Robbins. 2008. Idaho Master Composter/Recycler Program. University of Idaho Extension Critical Issues grant. \$ 1,500.
- de Haro Martí, M.E. 2008. Sustainable Environmental Education in Wendell and Gooding. University of Idaho Extension Critical Issues grant. \$ 1,500.
- Chahine M., J. Dalton, **M.E. de Haro Martí**, S. Etter, T. Fife, S. Jensen, R. Norell, R. Wilson. 2008. Spanish and English Dairy Cattle/Calves Health Management Schools. University of Idaho Topic Team Grant. \$ 3,000. (Full Spending Authority).
- de Haro Martí, M.E., H. Neibling, and G. Wilson. 2008. Copper Removal Systems for Idaho Dairies. United Dairymen of Idaho. \$73,130. (Full spending authority). Cancelled by funding institution in 2009.
- de Haro Martí, M.E. 2007. Sustainable Environmental Education in Gooding County. University of Idaho Extension Critical Issues grant. \$ 3,000.
- de Haro Martí, M.E., and J. A. Robbins. 2007. Composting School. University of Idaho Extension Critical Issues grant. \$ 3,000.
- Hines, S., B. Brown, M. Chahine, **M.E. de Haro Martí**, C. Fallen, and A. Moore. 2007. Corn phosphorus uptake. University of Idaho Topic Team Grants. \$ 5,000. (Spending Authority \$2,000).
- Chahine, M., and **M.E. de Haro Martí**. 2007. Survey of Hispanic employees working on Idaho dairies. University of Idaho Extension Critical Issues grant. \$ 3,000. (Full Spending Authority).
- de Haro Martí, M.E. Assumed as PI (2008) in the place of Sheffield, R.E. 2006. Drag Hose Injection and Incorporation Manure Management System. Dave Roper: Subcontract from USDA Natural Resources Conservation Service. Originally \$30,000. (Spending authority \$10,000).
- de Haro Martí, M.E. Assumed as PI (2008) in the place of Sheffield, R.E. 2005. Effect of the Installation of an Anaerobic Digester on Farmstead Odor and Air Emissions. United Dairymen of Idaho/Independent Dairy Environmental Action League. Originally \$80,050. (Spending authority \$40,000).
- St. Claire, S., J. Tomberlin, C. Sheppard, R. Sheffield, R. Hardy, W. Sealey, M. Chahine, **M.E. de Haro Martí**, and T. Peterson. 2007. Black Soldier Fly Larvae as a Tool for Managing Animal Waste and Providing a Food Source for Aquaculture Industries. Western Sustainable Agriculture Research and Extension (WSARE). \$133,169. (Spending authority \$60,000).
- Chahine, M., A. Hristov, S. Etter, R. Norell, and **M.E. de Haro Martí**. 2007. Effect of silage management on corn silage quality and nutritive value. University of Idaho Extension Critical Issues grant Critical Issue Grant. \$ 2,100. (Full Spending Authority).
- Norell, R., M. Chahine, S. Parkinson, J. Packham, S. Etter, and **M.E. de Haro Martí**. 2007. Measuring density of corn silage and haylage. University of Idaho Topic Team Grant. \$ 2,100. (Full Spending Authority).
- Hristov, A., R. Norell, J. Dalton, M. Chahine, R. Sheffield, and **M.E. de Haro Martí**. 2007. Reducing Ammonia Emissions from Dairy Manure Through Dietary Manipulation. United Dairymen of Idaho Pre-harvest grants. \$74,766. (Spending authority \$10,000).

Grants and Contracts, Pending:**Non-Funded:**

- de Haro Martí, M.E. and C. Kinder. 2023. Learning by doing: a hands-on approach to foster science understanding and enthusiasm in youth. Department of Defense, Air Force Office of Scientific Research. STEM Program. \$150,000.
- Hall, S., **de Haro Martí, M.E.**, D. Godwin, D. Finkelnburg, G. Yorgey, and J. Halofsky. 2022. Integrating climate change into Extension programming – Combining capacity building, networking and Extension experiences for graduate students. USDA-NIFA \$1,500,000.
- Hall, S., **de Haro Martí, M.E.**, D. Godwin, D. Finkelnburg, G. Yorgey, and J. Halofsky. 2021. Integrating climate change into Extension programming – Combining capacity building, networking and Extension experiences for graduate students. USDA-NIFA \$1,500,000.
- de Haro Martí, M.E., A. West, J. Thomas, B.S. Stokes, S. Love, and G. Loomis. 2021. A sustainable approach to pollinator and wildlife habitat establishment on dairy facilities. USDA-WSARE. \$350,000.
- Rezamand, P., A. Skibieli, D. Konetchy, M. Chahine, and **M.E. de Haro Martí**. 2021. The effects of air toxins from wildfire smoke on dairy health and performance in the Pacific Northwest. USDA-WSARE. \$350,000.
- Chahine, M., G. Ferreira, S. Hines, H. Tejada, L. Schott, **M.E. de Haro Martí**, H. Neibling, Managing uncertain water supply to ensure economic and environmental sustainability of corn silage production in the Western Region. USDA-WSARE. \$350,000.
- Uddin, M.M., A.H.N.A. Khan, H. Tejada, M. Chahine, **M.E. de Haro Martí**, and A.B.M. Khaleduzzaman. 2021. Optimizing and benchmarking small dairy performance in Bangladesh. Bill & Melinda Gates Foundation. \$250,000.
- Chahine, M, R. Norell, Sarii Khan, R., **M.E. de Haro Martí**, and Ortman, P. 2020. University of Idaho: StrayAway - An artificial intelligence solution to mitigate stray voltage on Idaho dairies. ID-IGEM. \$185,442
- Chahine, M., H. Tejada, M.M. Udin, M.E. de Haro Martí, R. Haggerty, B. Riddout, B. Brümmer, and N. Sultana. 2020. Sustainable livestock production and processing for increasing the availability and affordability of safe and diversified livestock products and improving household nutrition. USAID. \$19,500,000.
- Kliskey, A., P. Williams, and **M.E. de Haro Martí**. 2020. Embodied Energy in Crop and Dairy Production in the Magic Valley, Idaho. USDA-AFRI Foundational and Applied Science Program. \$489,310. (Spending authority \$65,000).
- del Rio S., N.F. Ferreira, M. Chahine, M. Rovai, M.E. de Haro Martí, J. Dalton, and Wenz, J. 2020. Mitigation of COVID-19 threats to US agriculture: a multi-level, bi-lingual and culturally sensitive extension and outreach approach using dairy farms as a model. USDA-AFRI Foundational and Applied Science Program. \$997,901. (Spending authority \$160,000).
- Messick B. and **M.E. de Haro Martí**. 2020. The Neighborhood Community Garden Project. Supporting urban agriculture by providing education on urban production and conservation practices and assisting the community in fighting food insecurities. USDA Urban Agriculture and Innovation Production Grants. \$297,500. (Spending authority \$120,000).
- Wilson, J., M. Chahine, M. E. de Haro-Marti, and R. Norell. 2020. The effect of feeding clinoptilolite zeolite on manure nitrogen speciation and health and growth of pre-weaned and post-weaned dairy calves. Western USDA-SARE (graduate student grant-J. Wilson is M. Chahine's graduate student). \$24,995.
- Rezamand, P., A. Laarman, M. Chahine, and **M.E. de Haro Martí**. 2019. Improve dietary recommendations to reduce phosphorous excretion in dairy cattle. USDA-WSARE Research & Education Grants pre-proposal. \$350,000. (Spending authority TBD).
- Du, X., L. Lu, H. Tejada, M. Chahine, **M.E. de Haro Martí**, R.J. Norell, and A. Westerhold. 2019. Sustainable agriculture in the age of automation and digitization: improving risk management strategies for small- mid- sized robotic dairy farms in Idaho. USDA-WSARE Research & Education Grants pre-proposal. \$350,000. (Spending authority TBD).

Grants and Contracts Non- Funded (cont.):

- de Haro-Martí, M.E., L. Schott, H. Tejada, A. Westerhold, and M. Chahine. 2019. Improvement of dairy manure and compost production management to optimize the use and export of nutrients, generate new income for producers, and offer higher quality soil nutrients for crop farmers. USDA-WSARE Research & Education Grants pre-proposal. \$350,000.
- de Haro-Martí, M.E., L. Schott, H. Tejada, A. Westerhold, and M. Chahine. 2019. Improvement of dairy manure and compost production management to optimize the use and export of nutrients, generate new income for producers, and offer higher quality soil nutrients for crop farmers. USDA-WSARE Research & Education Grants pre-proposal. \$350,000.
- McGuire, M.A., and 29 collaborators including **M.E. de Haro Martí**. 2018. Creating a new industry for dairies in the arid American West to replace commercial fertilizer, enhance productivity of crops and cow, and create new job opportunities. USDA-NIFA Sustainable Agricultural Systems program. \$9,998,480. (Spending authority \$420,000).
- de Haro Martí, M.E. 2017. Recycling at the Fair and community recycling education. Quadratic – “Energize the Environment” grant. \$3,500.
- Coats E.R., **M.E. de Haro Martí**, and N.M. Guho. 2016. Toward Commercial Production of Bioplastics on Agricultural Byproducts Streams. Western Sustainable Agriculture Research and Extension (WSARE), Research & Education Grant Pre-proposal.
- Anne L., Rezamand, P., M. Chahine, R. Norell, **M. E. de Haro-Martí**, Ahmadzadeh, A, and Chibisa, G. 2016. Reducing Ammonia Emissions And Sodium Excretion Through Incorporating Zeolite Into Dairy Cattle Diets. Western Sustainable Agriculture Research and Extension (WSARE), Research & Education Grant Pre-proposal.
- Freiberg, B. and **M. E. de Haro-Martí**. 2016. Battling noxious weeds on agricultural land using bio-control methods by encouraging WAMS youth with hands-on STEM skills to go to college. USDA-National Institute of Food and agriculture NIFA. \$99,488.
- Rezamand, P., R. Norell, M. Chahine, **M. E. de Haro-Martí**, and L. Chen. 2015. Effect of feeding zeolite on odor control and gas emissions of dairy manure. ifeeder. \$98,560.
- Emberston, N., E. Cortus, A. Schmidt, **M.E. de Haro Martí**, and T. Vander Dussen. 2013. Mapping the Pathways for Effective Information Dissemination and Education between Manure Nutrient Management Agriculture Professionals. Western Sustainable Agriculture Research and Extension (WSARE), Professional Development Grant. \$61,614. (Spending authority \$10,000).
- de Haro Martí, M.E. 2011. Community gleaning project. University of Idaho Extension Critical Issues grant. \$2,887.
- de Haro Martí, M.E. 2011. County Fairs and other events recycling collection trailer. University of Idaho Extension Critical Issues grant. \$2,600.
- de Haro Martí, M.E. and J.A. Robbins. 2010. Developing the production and use of vermicompost and vermicompost teas as a sustainable practice in Idaho. USDA-WSARE Professional-Producer grants. \$46,990.
- Chahine, M., P. Rezamand, **M.E. de Haro Martí**, L. Chen, R. Norell, W. Gray. 2010. Using zeolite to control gas emissions and odor from dairies in Idaho. USDA- NRCS Conservation and Innovation Grants. \$137,737.
- Chahine, M., E. Wenninger, **M.E. de Haro Martí**, W. Gray, G. Fornshell, L. Chen. 2010. Black Soldier Fly: Adapting a Manure Management Tool to Cold Climates. USDA-WSARE grants. \$ 162,580.
- Chahine, M., P. Rezamand, N. Norell, **M.E. de Haro Martí**, L. Chen. 2010. Effect of Feeding Zeolite on Odor Control and Gas Emissions on Dairy Manure. United Dairymen of Idaho Environmental Grants. \$77,500.
- Chen, L., S. Chen, M. Chahine, and **M.E. de Haro Martí**. 2010. Treatment of Dairy Manure With Anaerobic Digestion. United Dairymen of Idaho Environmental Grants. \$213,008.
- Chahine, M., **M.E. de Haro Martí**, and T. Fife. 2010. Dairy Video Clips: An Educational Tool for Dairy Producers and Employees. United Dairymen of Idaho Education/Extension Grants. \$24,000.
- de Haro Martí, M.E. 2010. Composting School for Dairy/Livestock Producers. United Dairymen of Idaho Education/Extension Grants. \$22,000.
- de Haro Martí, M. E., W. Gray, and A. Moore. 2010. Idaho Manure and Compost Trade Directory. United Dairymen of Idaho Education-Environmental Research Grants. \$9,000.

Grants and Contracts Non- Funded (cont.):

- Chahine, M., E. Wenninger, and **M.E. de Haro Martí**. 2009. Black Soldier Fly: Adapting a manure management tool to cold climates. USDA-WSARE grants. \$ 154,520.
- Chahine, M. and **M.E. de Haro Martí**. 2008. Effect of Zeolite on odor control and gas emissions on Idaho dairies. United Dairymen of Idaho Environmental Grants. \$85,780.
- de Haro Martí, M.E., C. Falen, M. Chahine, and T. Hess. 2008. Comparison of composting techniques and best management practices education for Idaho Dairies. United Dairymen of Idaho Environmental Grants. \$59,700.
- Chahine, M., **M.E. de Haro Martí**, S. St-Hilaire, and R. Norell. 2008. Black soldier fly larvae as a tool for managing dairy manure. United Dairymen of Idaho Environmental Grants. \$125,750.
- Moore, A., M. Chahine, and **M. E. de Haro Martí**. 2008. Comprehensive analysis of Idaho dairy manure. United Dairymen of Idaho Environmental Grants. \$45,510.
- Chahine, M., **M. de Haro Martí**, S. Etter, T. Fife, and R. Norell. 2007. Health management of dairy cattle - a training curriculum. University of Idaho Topic Team Grants. \$ 5,000.
- Sheffield, R., **M.E. de Haro Martí**, and D. Parker. 2007. Ammonia Control BMPs for Open Lots Dairies. United Dairymen of Idaho. \$86,600.
- Sheffield, R., and **M.E. de Haro Martí**. 2007. Enhanced Manure Separation and Phosphorous Removal for Idaho Flush Dairies. United Dairymen of Idaho. \$86,600.
- Chahine, M., R. Sheffield, and **M.E. de Haro Martí**. 2007. From feed to milk: A dairy trailer educational exhibit. United Dairymen of Idaho Pre-harvest grants. \$30,000.
- Hristov, A., R. Norell, J. Dalton, M. Chahine, R. Sheffield, and **M.E. de Haro Martí**. 2007. Reducing ammonia emissions from dairy manure through dietary manipulation. USDA-WSARE grants \$76,000.
- de Haro Martí, M.E. 2007. Sustainable Education in Gooding County. University of Idaho Sustainability Center. \$7,400.
- Chahine, M., A. Leytem, R. Sheffield, D. Tarkalson, and **M.E. de Haro Martí**. 2007. Survey of hormone/steroid concentrations throughout the production facility of large scale dairies in Southern Idaho. United Dairymen of Idaho. \$108,900.

Internal Funding Awarded:

- de Haro Martí, M.E. 2022. Extension Support Endowment travel stipend. \$500.
- de Haro Martí, M.E. University of Idaho Extension UI Student Paid Summer Internship, 400 hours. 2018, 2017, 2016, 2015, 2013, 2012. \$5,000 each year.
- de Haro Martí, M.E. 2015. University of Idaho Extension travel stipend. \$500.
- de Haro Martí, M.E. 2009. University of Idaho Extension stipend scholarship. 2009 National Association of County Agriculture Agents Annual Meeting and Professional Improvement Conference, \$300.

In-kind and Industry Support:

- Chahine, M., A. Bach, and M.E. de Haro Martí. 2013. Effect of blood plasma supplementation on production and reproduction of multiparous dairy cows. IRTA (Institute of Agriculture Research and Technology). Barcelona, Spain. \$48,000 (gift), (Spending authority 12,000).
- de Haro Martí, M.E. 2009. Contribution to the Idaho Western Odor and Air Quality Education Program. United Dairymen of Idaho. \$ 1,000.
- de Haro Martí, M.E. 2009. Contribution to the Idaho Western Odor and Air Quality Education Program. Jerome County Commissioners. \$ 200.

Scholarship Honors and Awards:

- 2022 National Association of County Agricultural Agents Distinguished Service Award. National Winner.
- 2022 Health Heros. Hispanic Coalition and the EXCITE program. Idaho South Central Public Health District.

Scholarship Honors and Awards (cont.):

University of Idaho Extension Diversity Award 2020, for Longstanding Outreach to the Hispanic Community.
 Xi Sigma Pi. The International Natural Resources Honor Society. 2018. By invitation only.
 Gamma Sigma Delta. The Honor Society of Agriculture. 2009. By invitation only.
 Communication Award - Promotional Piece. National Finalist. 2009. National Association of County Agricultural Agents.
 Achievement Award. Western Region Extension Education Poster Winner. 2009. National Association of County Agricultural Agents.
 Golden Key International Honour Society. Top 15% of 2007 College graduates. By invitation only.

SERVICE:**Major Committee Assignments:****International:****National:**

Livestock and Poultry Environmental Learning Community (LPELC), Member, Expert. 2019-Present.
 National Extension Climate Change Initiative. Member. 2020-Present.
 Waste to Worth 2022 Conference. Organizing Committee. 2020-2022 Livestock and Poultry Environmental Learning Center (LPELC) working group. 2013-2018.
 Topic Teams: Air Quality. Manure Storage and Treatment. Pathways Project. 2013-2016.
 e-Extension Ask the Expert – Waste Management . 2008-2019. <https://faq.extension.org>
 National Research Initiative. Air Quality Project Committee. 2007 - 2009.

Regional:

Agriculture Climate Network (Ag Climate) working group. Member. 2020-Present.
 Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. Organizing Committee. 2020.
 Western Initiative for the Dairy Environment (WIDE). 2014 – 2018.
 Idaho and National Veterinary Stockpile Full Scale Exercise. Jerome, Idaho. Participant (by invitation only). August 24, 2016.
 Animal Agriculture and Climate Change Western Region Advisory working group. 2012-2016.
 Western Region Dairy Odor and Air Quality Education, SARE working group. 2008 – 2012.
 Pacific Northwest Climate Decision Support Consortium (CDSC) Stakeholder Meetings. 2011.

State:

Middle Snake Regional Water Resource Commission. Technical advisor. 2008 – Present.
 Southern Idaho Water Quality Coalition. Advisor. 2019-2020.
 Idaho Association of County Agricultural Agents Climate and Agriculture Sessions Chair. 2015 – 2018.
 Idaho Agricultural Pollution Abatement Plan review committee. University of Idaho technical representative. 2014 - 2015.

University of Idaho:**College:**

Idaho Sustainable Agriculture Initiative for Dairy (ISAID). 2021-Present.
 Extension Committee.
 Bioproducts Committee.
 Bioproducts student's Extension working group.
 College of Agricultural and Life Sciences, Central District P&T Committee. 2020-Present.

Major Committee Assignments, University of Idaho, College (cont.):

College of Agricultural and Life Sciences Extension Advisory Committee. 2019-Present.
 College of Agricultural and Life Sciences CALS Plan/Digital Measures Planning and Reporting Committee. 2018-2021.
 College of Agricultural and Life Sciences Internship Guidelines Committee. 2017-2019.
 Idaho Nutrient Management Conference Planning Committee. 2018. 2014-16 (Committee Chair).
 2008, 2012 (Committee co-leader).

Extension:

University of Idaho Extension Water Priority Extension Theme. 2019-Present.
 University of Idaho Extension Food Production Priority Extension Theme. 2019-Present.
 de Haro Martí, M.E. 2014-Present. University of Idaho Extension Gooding County. Master Gardener Clinics and individuals MG leader.
 de Haro Martí, M.E. 2013-Present. University of Idaho Extension Gooding County. Master Food Preserver Clinics and individuals MFP leader.
 University of Idaho Extension Dairy Topic Team. 2007 - 2019.
 University of Idaho Extension Soil, Water, Waste, Air Management (SWWAM) Topic team. Team co-leader 2011-2017. 2007 - 2019.
 de Haro Martí, M.E. and N. Pratt. 2018. University of Idaho Extension Gooding County Civil Rights Review.
 University of Idaho Extension, Department of Agricultural Economics and Rural Sociology. Dr. Paul Lewin third year review committee. 2014.
 University of Idaho Extension, Department of Biological and Agricultural Engineering. Dr. Lide Chen third year review committee. 2012.

District:

Mr. Andy West, Extension Educator, Mentoring and 3rd Year Review Committees Chair. University of Idaho Extension, Central District. 2020-2023.
 Mr. Grant Loomis, Extension Educator, Mentoring Committee and 3rd Year Review. University of Idaho Extension, Central District. 2019-Present.
 Mr. Jason Thomas, Extension Educator, 3rd Year Review Committee. University of Idaho Extension, Central District. 2020-2022.

County/Local:

Gooding County Soil Conservation District. Extension Advisor. 2015 – Present.
 Gooding County 4-H Leader's Council. UI Extension County Chair duties. 2015 – Present.
 Gooding County Department Chairs Committee. UI Extension County Chair duties. 2015 – Present.
 Twin Falls Ground Water Quality Advisory Committee. Advisor. 2017-2020.
 City of Gooding Source Water Protection Plan Review Committee. Member and Advisor. 2018-2019.
 City of Twin Falls Latino/Hispanic community focus group. 2015 – 2019.
 Gooding County P&Z Comprehensive County Plan Committee. Advisor. 2016 - 2017.
 de Haro Martí, M.E. 2017. Individual dairy farm evaluation and technical assistance. Jerome, ID. April 7, 2017.

Professional and Scholarly Organizations:

Xi Sigma Pi. The International Natural Resources Honor Society. 2018-Present.
 Gamma Sigma Delta. The Honor Society of Agriculture. 2009 – Present.
 National Association of County Agricultural Agents. 2007 – Present.
 Idaho Association of County Agricultural Agents. 2007 – Present.
 American Society of Agricultural and Biological Engineers (ASABE). 2006 – Present.
 American Dairy Science Association (ADSA). 2006 – 2020.

Professional and Scholarly Organizations (cont.):

Golden Key International Honour Society. 2007 – Present. Lifetime member.
 National Mastitis Council (NMC). 2007-2013. Education Committee. 2011-2013.
 Neuquén and Río Negro Professional Association. Argentina. 1995 – 2001.
 Concejo Profesional de Agrimensura e Ingeniería del Neuquén. Argentina 1995 – 2001. (Neuquén
 Geology and Engineering Professional Council).

Outreach Service:**Classes, Workshops, Seminars, Share Fairs and Tours Organized:**

Lago, A. and **M.E. de Haro Martí**. 2023. Dairy Experts, research dairy tour and visit. Tulare, CA. October 25, 2023.

Aly, S.S. and **M.E. de Haro Martí**. 2023. Dairy tour and visit. Riverdale, CA. October 24, 2023.

Aly, S.S. and **M.E. de Haro Martí**. 2023. Veterinary Medicine Teaching and Research Center tour and visit - UC Davis, Tulare, CA. October 24, 2023.

Clark, N. and **M.E. de Haro Martí**. 2023. Dairy tour and visit. Tulare, CA. October 23, 2023.

Clark, N. and **M.E. de Haro Martí**. 2023. Extension dairy and ag production tour - Tulare and Kings Counties. Tulare, CA. October 23, 2023.

de Haro Martí, M.E. 2023. ISAID Graduate Student Fall meeting. Twin Falls R&E Center. Twin Falls, ID. October 12, 2023.

de Haro Martí, M.E. 2023. Spanish dairy producers southern Idaho dairy tour and visit. October 6.
 May 18-19.

de Haro Martí, M.E. and M. Piera. 2023. Dairy tours and visits. Spain.
 Moraleda de Zafayona, Granada, Andalucía. August 11.
 Loreto, Granada, Andalucía. August 11.
 Madrilejos, Toledo, Castilla-La Mancha. Manchega breed, artisan cheese processor. August 7.
 Ciáurriz, Navarra. August 3.
 Tamarite de Litera, Huesca, Aragón. August 1.
 Vilobí d'Onyar, Girona, Cataluña. July 26.
 Camllong, Girona, Cataluña. July 26.

Salama, A.A.K. and **M.E. de Haro Martí**. 2023. Animal Production Research Center and campus visit. Autonomous University of Barcelona. Bellaterra, Cataluña, Barcelona, Spain. July 27, 2023.

de Haro Martí, M.E. and A. Simerlink. 2023. Hands-on greenhouse cover replacement training. Kimberly R&E Center. Kimberly, ID. June 6, 2023.

McConnell-Soong, L., **M.E. de Haro-Martí**, S.G. Lee, M. Chahine, J. Peutz, and B. Morrisroe-Aman. 2022. Mobile vaccine clinic and Farm safety and vaccination class. EXCITE vaccination clinic and education program.
 Murtaugh, ID. January 26, 2023.
 Jerome, ID. November 22, 2022.

de Haro Martí, M.E. 2022. Spanish scholar Kimberly and Twin Falls R&E Centers research tour. September 12, 2022.

de Haro Martí, M.E. 2022. Composting workshop at the Community Garden. Gooding, ID. September 8, 2022.

de Haro Martí, M.E. 2022. Spanish dairy producers southern Idaho dairy tour. June 16-17, 2022.

de Haro Martí, M.E. 2022. Home composting class. Hailey, ID. April 22, 2022.

de Haro Martí, M.E. 2022. Composting techniques and conservation practices at the Community Garden mini field day. Gooding, ID. March 31, 2022.

Tejeda, H., M. Chahine, and **M.E. de Haro Martí**. 2022. Dairy Risk Management Robotic Workshop. Twin Falls, ID. February 8, 2022.

de Haro Martí, M.E. 2022. Gooding County Extension Advisory Board. February 4, 2022.

Hines, S., Packham, J., **M.E. de Haro Martí**, and L. Schott. 2021. 2. Kimberly Research & Extension Center Farm Field Tour. Kimberly, ID. August 26, 2021.

de Haro Martí, M.E. 2021. Manure spreader calibration. Field Day. Kimberly. ID. April 16, 2022.

Classes, Workshops, Seminars, Share Fairs and Tours Organized (cont.):

- Messick, B. and **M.E. de Haro Martí**. 2021. Arbor Day at the Gooding Community Garden. Gooding, ID. May 5, 2021.
- Harrison, J.H., L. Whitefield, A. Mack, A. Bary, D. Collins, **M.E. de Haro Martí**, L. Schott, L. Chen, A. Leytem, R. Miller, and T. Bass. 2020. Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020.
- Messick B. and **M.E. de Haro Martí**. 2020. Arbor Day Celebration at the Gooding Community Garden. May 5, 2020.
- Kliskey, E.J. Trammel, D. Griffith, S. Dengler, **M.E. de Haro Martí**, P. Williams, and A. Davis. 2019-20. Stakeholder meeting and working group for INFEWS/T3: Social-ecological-technological solutions to waste reuse in food, energy, and water systems (ReFEWS). Twin Falls, ID.
May 20, 2020 (virtual).
February 6, 2020 (virtual).
November 6, 2019.
May 15, 2019.
- de Haro Martí, M.E. 2020. Gooding County Extension Advisory Board. January 28, 2020.
- Tejeda, H., M. Chahine, and **M.E. de Haro Martí**. 2020. Dairy Risk Management Workshops. Twin Falls, ID. November 21, 2019, and January 30, 2020.
- Walsh, O., L. Chen, R. Norell, J. Ekins, L. Golden, and **M.E. de Haro Martí**. 2018. Idaho Nutrient Management Conference. Twin Falls, ID. November 15, 2018.
- Chahine, M., G. Ferreira, G. Shewmaker, S. Hines, and **M. E. de Haro-Martí**. 2018. Water stressed corn silage demonstration field day. Kimberly, ID. September 13, 2018.
- Messick, B., D. Romer, K. Dennis, and **M.E. de Haro-Martí**. 2018. No till drill demo day. Bliss, ID. July 24, 2018.
- de Haro Martí, M.E. 2018. Ph.D. Dissertation. Twin Falls, ID. April 19, 2018.
- A. Kliskey, E.J. Trammel, D. Griffith, S. Dengler, **M.E. de Haro-Martí**, P. Williams, G. Villamor, and A. Davis. 2018. Stakeholder meeting and working group for INFEWS/T3: Social-ecological-technological solutions to waste reuse in food, energy, and water systems (ReFEWS). Twin Falls, ID.
November 14.
May 23.
March 14.
November 9, 2017.
- de Haro Martí, M.E. 2018. INFEWS Magic Valley dairy and irrigation Tour. Magic Valley, ID. March 12, 2018.
- de Haro Martí, M.E. 2018. Dairy Middle Management Training and Round Table in Spanish. Twin Falls, ID.
Financial and enterprise management on dairies and agricultural operations to ensure the company sustainability. G. Ferreira. March 8.
- Tejeda, H., G. Ferreira, M. Chahine, **M.E. de Haro-Martí**, J. Packham. 2017-18. Risk Assessment and Management Education for Dairy Farmers in the Western Region. Twin Falls, ID.
Session I, November 16, 2017.
Session II, January 24, 2018.
Session III, March 7, 2018.
- de Haro Martí, M.E. 2017. Mexico's dairy education and service company dairy tour. Magic Valley, Idaho. February 6, 2018.
- de Haro Martí, M.E. 2017. Cover crops field day. Gooding, ID. October 23, 2017.
- de Haro Martí, M.E. 2017. Dairy and irrigation tour for INFEWS researchers. Magic Valley. October 4, 2017.
- de Haro Martí, M.E. 2017. Dairy goat and sheep workshop. Gooding, ID. July 25, 2017.
- de Haro Martí, M.E. 2017. Manure and compost application workshop. Buhl, ID. July 12, 2017.
- de Haro Martí, M.E. 2017. UI-CALS Dean's office dairy tour. Jerome, Idaho. June 6, 2017.
- Wilmore, C., **M.E. de Haro Martí**, J. Packham, and B. Eborn. 2017. Goat Dairies Tour. Kimberly and Twin Falls, ID. May 17, 2017.

Classes, Workshops, Seminars, Share Fairs and Tours Organized (cont.):

- de Haro Martí, M.E. 2017. Argentinean ag students' dairy tour. Magic Valley, Idaho. March 15, 2017.
- de Haro Martí, M.E. 2017. Dairy Middle Management Training and Round Table in Spanish. Twin Falls, ID.
 "MOO Signs". Understanding what your cows are telling you! M. Rovai and M. Chahine. July 27.
 Use of genetic principles in livestock production and Use of Beef Quality Assurance protocols on dairies. B. Glaze. June 15.
 Genomics and Fertility. J. Dalton. May 18.
 How To Evaluate Dairy Facilities. R. Norell. March 30.
 The Link Between Mammary Gland Physiology and Mastitis (with udder dissection). M. Rovai. February 16.
- Chahine, M. and **M.E. de Haro Martí**. 2017. Spanish Milker School (Escuela de Ordeño). Jerome, Idaho. April 7.
 Preston, Idaho. April 12.
- McCammon, T. and **M.E. de Haro Martí**. 2017. Master Gardener Diagnostic Training. University of Idaho Extension. Gooding, Idaho. May 10, 2017.
- Boatwright L., C. Kinder and **M.E. de Haro Martí**. 2017. Gooding 4-H pig weigh in. Gooding, ID. May 5, 2017.
- de Haro Martí, M.E. and Patten, M. 2016. Idaho dairy processor-producers' capacity evaluation and networking day. Gooding, Idaho. September 29, 2016.
- de Haro Martí, M.E. 2016. International scholars' dairy tour. Magic Valley, Idaho. July 18, 2016.
- de Haro Martí, M.E. 2016. Dairy goat and sheep workshop. Gooding, Idaho. July 15, 2016.
- de Haro Martí, M.E. 2016. U.S. entrepreneur dairy tour. Buhl, Idaho. June 30, 2016.
- McCammon, T. and **M.E. de Haro Martí**. 2016. Master Gardener Diagnostic Training. University of Idaho Extension. Gooding, Idaho. April 21, 2016.
- de Haro Martí, M.E. 2016. Idaho Nutrient Management Conference. Jerome, Idaho. March 10, 2016.
- de Haro Martí, M.E., S. Hines, T. McCammon, M. Chahine, C. Moreno, and L. Arias. 2016. Hispanic worker's protection and safety program (Spanish). Jerome, Idaho. March 8, 2016.
- de Haro Martí, M.E. and C. Kinder. 2016. Enroll Idaho, how to pay for college night. January 19, 2016.
- de Haro Martí, M.E. 2015. Ammonia and odor filtration from flushed dairy manure + solid separation by centrifuge + manure injection using a drag hose system field day. Buhl, Idaho. November 10, 2015.
- de Haro Martí, M.E. 2015. Cover Crops Field Day. Gooding, Idaho. One Idaho Pesticide Recertification credit. October 20, 2015.
- Chahine, M. and **M.E. de Haro Martí**. 2015 Dairy tour for Spanish dairy producers. Twin Falls, Idaho September 21, 2015.
- de Haro Martí, M.E., A. Moore-Kriwox, and G.K. Gill. 2015. University of Idaho Extension Summer Internship at Gooding County presentation. September 25, 2015.
- de Haro Martí, M.E. 2015. Extension at the Library Series. Gooding, Idaho.
 Composting at home. May 16.
 Rain and gray water collection and use. April 11.
 Water wise landscaping. McCammon T. March 7.
- de Haro Martí, M.E. and A. Moore. 2014. Idaho Nutrient Management Conference. Twin Falls, Idaho. March 6, 2014.
- Chen, L., **M.E. de Haro Martí**, G.K. Kafle, and S.K. Reddy Yadanaparthi. 2013. Implementation of Biofiltration Technology field day. Kimberly, Idaho. November 5, 2013.
- de Haro Martí, M.E. and T. Woodland. Gooding Schools Kitchen Waste Recycling Program. Gooding, Idaho. 2010 – present.
- de Haro Martí, M.E., A. Agenbroad, T. McCammon. 2013. Composting of grape vine prunings and dairy manure field day and research demonstration. Emmett, Idaho. September 10, 2013.

Classes, Workshops, Seminars, Share Fairs and Tours Organized (cont.):

- de Haro Martí, M.E. and C. Pantone. 2013. Gooding Community Garden Summer Presentation Series. Gooding, Idaho.
Canning and Preserving. August 1.
Using Gardening for Intergenerational Communication. July 25.
Xeriscaping. July 11.
Rotation Crops: What to Plant at the Community Garden. June 27.
- de Haro Martí, M.E., P. Lewin, and W. Braak. 2013. Community Development Workshop. Gooding, Idaho. March 21, 2013.
- de Haro Martí, M.E. and L. Chen. 2012. Dairy manure land application field day. Buhl, Idaho. October 30, 2012.
- Miller, J., and M.E., de Haro Martí. 2012. Northwest Center for Alternatives to Pesticides (NCAP) – University of Idaho Extension Organic Field Day, Rocky Fence Vineyard. Emmett, Idaho. September 27, 2012.
- de Haro Martí, M.E. and L. Chen. 2012. Manure collection and composting field day. Jerome, Idaho. July 24, 2012.
- de Haro Martí, M.E., M. Orr, and J. Eells. 2012. Gooding Community Garden talks. Gooding, Idaho.
Native plants and wildflowers. August 2.
Composting. July 19.
Ten essential herbs for your garden. July 3.
Soils. June 12.
- de Haro Martí, M.E. and W. Gray. 2012. Idaho dairy tour for Russian and Ukrainian dairy producers and allied industry. June 6-7, 2012.
- Chahine, M., C. Matuk, B. Ozer, B. Glaze, and **M.E. de Haro Martí**. Hands-on workshop on checking the dairy cow health. Jerome, Idaho. May 31, 2012.
- de Haro Martí, M.E. 2012. Energy, Water & Soil on your Farm Operation Workshop. Gooding, Idaho. March 29, 2012.
- Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2013, 2012, 2011. Dairy Middle Management Round Table (Spanish and English).
Manure management on Idaho dairies, and On-farm composting methods. Twin Falls, Idaho. January 24, 2013.
Environmental Mastitis. Twin Falls, Idaho. December 13, 2012.
Feed bunk management and TMR mixer operation on dairies. Twin Falls, Idaho. October 11, 2012.
Reproductive programs for dairy heifers. Twin Falls, Idaho. June 21, 2012.
The impact of cow health in quality defects in dairy cows. Twin Falls, Idaho. May 31, 2012.
Dairy facilities and cow comfort II. Twin Falls, Idaho. April 26, 2012.
Benchmarking in dairy herds. Twin falls, Idaho. March, 22, 2012.
Cow and calf management at parturition. Twin Falls, Idaho. February 23, 2012.
Dairy facilities and cow comfort. Twin Falls, Idaho. January 19, 2012.
Managing transition dairy cows. Twin Falls, Idaho. December 8, 2011.
Dairy cow synchronization protocols. Twin Falls, Idaho. October 27, 2011.
Vaccines use and management. Twin Falls, Idaho. September 22, 2011.
- Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2012. Idaho dairy tour for Spanish dairy producers and allied industry. March 14-15, 2012.
- Moore A. and **M.E. de Haro Martí**. 2012. Idaho Nutrient Management Conference. Jerome, Idaho. March 6, 2012.
- Chahine, M. and **M.E. de Haro Martí**. 2011. Three-day Milker Certification Training (Spanish). International Conference on Reproduction and Nutrition of Dairy Cows. Tepatitlán, Jalisco, México, September 28-30, 2011.
- Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2011. Crossover Meetings.
Drug Residue Avoidance in Dairy Cows. Jerome, Idaho, August 24, 2011.

Classes, Workshops, Seminars, Share Fairs and Tours Organized (cont.):

- de Haro Martí, M.E. 2011. Recycling at the Fair.
 Gooding County Fair, Idaho. August 14-19, 2017. August 15-20, 2016. August 17-22, 2015.
 August 11-16, 2014. August 12-17, 2013. August 13-18, 2012. August 15-20, 2011.
 Blaine County Fair, Idaho. August 9-13, 2011.
 Camas County Fair, Idaho. August 3-7, 2011.
 Lincoln County Fair, Idaho. July 25-31, 2011.
- Matuk, C., B. Ozer, B. Glaze, and **de Haro Martí, M.E.** 2012. Health assessment in dairy cows – a hands-on seminar. Jerome, Idaho. May 31, 2012.
- de Haro Martí, M.E. 2011. Vermicomposting for 4-H Junior Master Gardeners. Gooding, July 18, 2011. Hands-on Class.
- de Haro Martí, M.E. and J. Eells. 2011. Vermicomposting for everyone! and UI Display. Arbor Day Celebration. Gooding, Idaho, May 6, 2011.
- de Haro Martí, M.E. 2011. Milner-Butte Landfill tour. Burley, Idaho, March 24, 2011. Field day.
- Chahine, M., **M.E. de Haro Martí**, and C. Matuk. 2011. Protecting the Milk Supply Workshop (Spanish and English). Jerome, Idaho, March 16, 2011.
- Hunting, D. and **M.E. de Haro Martí**. 2011. Dairy Compost Field Day. Jerome, Idaho, March 1, 2011. Field day.
- de Haro Martí, M.E. and J.A. Robbins. 2011. Idaho Master Composter and Recycler. Jerome, Idaho. Weekly Meetings from February 2 to March 16, 2011.
- de Haro Martí, M.E. and M. Chahine. 2010. NC1042 Management Systems to Improve the Economic and Environmental Sustainability of Dairy Enterprises Group. Southern Idaho Dairy and Calf Facilities Tour. October 16, 2010. Tour.
- de Haro Martí, M.E. 2010. Introductory Professional Dairy Facilities Tour. August 26, 2010. Tour.
- de Haro Martí, M.E. 2010. Recycling at the Fair. Gooding County Fair, Idaho. August 16 to 21, 2010.
- de Haro Martí, M.E. 2010. Milner-Butte Landfill visit. Burley, Idaho, April 9, 2010. Field day.
- de Haro Martí, M.E. and J.A. Robbins. 2010. Idaho Master Composter and Recycler. Wendell, Idaho. Weekly Meetings from February 10 to March 17, 2010.
- de Haro Martí, M.E. 2009. Recycling at the Gooding County Fair. Pilot program. Gooding, Idaho. August 17-22, 2009.
- de Haro Martí, M.E. 2009. Western Odor and Air Quality Education Program for the State of Idaho. Twin Falls, Idaho. June 15-16, 2009.
- de Haro Martí, M.E. and J.A. Robbins. 2008. Composting School-Materials and Methods. Gooding, Idaho. August 26 and September 24, 2008.
- Chahine M., R. Norell, and **M.E. de Haro Martí**. 2008. TMR mixing – Feeder school (Spanish). Preston, Idaho. March 20, 2008.
- Chahine M., R. Norell, and **M.E. de Haro Martí**. 2008. TMR mixing – Feeder school (English). Preston, Idaho. March 20th, 2008.
- Dalton, J, K. S. Jensen, M. Chahine, **M. de Haro Martí**. 2007. Artificial Insemination Course. University of Idaho Twin Falls R&E Center/ Si-Ellen Farms. December 10, 11, 13, 2007.
- Chahine, M., **M. E. de Haro Martí**, T. Fife. 2007. Hoof Trimming Workshop (Spanish). Si-Ellen Farms, Jerome. November 29, 2007.
- Chahine, M., **M. E. de Haro Martí**, T. Fife. 2007. Hoof Trimming Workshop (English). Si-Ellen Farms, Jerome. November 28, 2007.
- Chahine M., R. Norell, and **M.E. de Haro Martí**. 2008. TMR Mixing/Feeding School (English). Gooding Idaho. September 26.
- Chahine M., R. Norell, and **M.E. de Haro Martí**. 2008. TMR Mixing/Feeding School (Spanish). Gooding Idaho. September 25.

Popular Press:

- de Haro Martí, M. E. 2023. The Gooding County community needs your help with a simple internet speed test. City of Gooding Community Newsletter, Facebook. February 2023.

Popular Press, (cont.):

- de Haro Martí, M. E. 2023. Winter is coming. Go and water your evergreens now! City of Gooding Community Newsletter, Facebook. November 2022.
- de Haro Martí, M. E. 2021. From a nuisance to a resource, using fallen leaves. City of Gooding Community Newsletter, Facebook. November 2021.
- de Haro Martí, M. E. 2021. Nuisance to a resource. Times News (Newspaper) and Magic Valley.com. October 25, 2021.
- Chahine, M., and **M. E. de Haro Martí**. 2020. Dear dairy employee: Thank you from our family to yours. <https://www.progressivedairy.com/topics/people/dear-dairy-employee-thank-you-from-our-family-to-yours>
- Chahine, M., and **M. E. de Haro Martí**. 2020. Estimados trabajadores lecheros: ¡Gracias de nuestra familia a la suya! <https://www.el-lechero.com/digital-edition/2020/09/0920pd-dear-dairy-employee-thank-you-from-our-family-to-yours.pdf>
- de Haro Martí, M. E. 2014. The Extension Corner. How the University of Idaho Extension serves the community in the Magic Valley? (Spanish). Idaho Noticias. Periodic in Spanish. Burley, Idaho. December 2014.
- de Haro Martí, M. E. 2014. The Extension Corner. What is Extension? (Spanish). Idaho Noticias. Periodic in Spanish. Burley, Idaho. November 2014.
- Chahine, M. and **M. E. de Haro Martí**. 2011. Ten Management Don'ts for Your Dairy. Dairy Today eUpdate August 29, 2011.
- de Haro Martí, M. E. 2011. Little Gestures go a Long way With Your Workers. Dairy Today
- de Haro Martí, M. E. and M. Chahine. 2011. ¿Cómo reducir el recuento de células somáticas? (How to reduce somatic cell counts?). PYMES Lácteas, Argentina. February 2011. <http://www.pymeslacteas.com.ar/articulos.php?id=381#>
- Chahine, M. and **M. E. de Haro Martí**. 2011. Creating a positive work environment for your Hispanic employees. Dairy Today eUpdate February 7, 2011.
- de Haro Martí, M. E. and M. Chahine. 2011. ¿Cómo reducir el recuento de células somáticas? (How to reduce somatic cell counts?). Ganadería.com, México. January 2011. http://www.ganaderia.com.mx/ganaderia/home/articulos_int.asp?cve_art=651
- Moore, A., B. Brown, **M.E. de Haro Martí**, C. Falen, M. Chahine, T. Fife, R. Norell, and J. Ippolito. 2010. Phosphorus Removal by Silage Corn in Idaho. Nutrient Digest Newsletter. Volume 2(3). Spring 2010.
- Chahine, M., **M. E. de Haro Martí**, S. St. Hilaire, and W. Sealy. 2009. Black soldier larvae: A strange but effective tool for managing dairy manure. University of Idaho Nutrient Digest. Volume 1, issue 3.
- de Haro Martí, M.E. and M. Chahine. 2008. Garbage disposal on dairies. Extension Focus. July/August. p 4.
- de Haro Martí M.E. and C. Pantone. 2013. Gooding Community Garden Newsletter. Volume II, Issues 1-4. May to August, 2013.
- de Haro Martí M.E. and M. Orr. 2012. Gooding Community Garden Newsletter Volume I, Issue 1. May 2012.
- Chahine, M., Norell, R. J. and **M.E. de Haro Martí**. 2007. TMR-Mixing/dairy cows feeding handbook. University of Idaho Extension.
- Chahine, M., Norell, R. J. and **M.E. de Haro Martí**. 2007. Escuela de preparación de raciones y alimentación. University of Idaho Extension.
- Chahine, M., and **M.E. de Haro Martí**. 2006. Disposición de Basuras en Lecherías/ Garbage Disposal on Dairies. El Lechero/ The Dairyman. Volume 1. No 4. (Written in both Spanish and English).

Interview Articles:

- O'Connell, J. 2023. Turning Manure into Gold. Here we have Idaho Magazine. Fall 2023. Pg. 30,31. Also in Extension News. August 2023.
<https://www.uidaho.edu/extension/news/story/2023/manure>
 Facebook. August 2023.
https://www.uidaho.edu/extension/news/story/2023/manure?fbclid=IwAR0UEzmM1tEo4miz0P9fv_nEbQBQAYyQHYSjN2tnJr02Cj-fKyes5SM4njE
- Nunes, S. 2023. Manure compost reactors. I, II, III, and IV. U of I Idaho Sustainable Agriculture Initiative for Dairy, ISAID. Facebook and Instagram posts and Reels.
 Part I <https://www.facebook.com/reel/1106842880699185>
 Part II <https://www.facebook.com/reel/691672702825241>
 Part III <https://www.facebook.com/reel/1017647509582589>
 Part IV <https://www.facebook.com/reel/122697100926380>
- Smith Thomas, H. 2023. Manure Handling In Beef Facilities. American Cattlemen. May 31, 2023.
<https://www.americancattlemen.com/articles/manure-handling-beef-facilities>
- O'Connell, J. 2023. UI Extension EXCITE team brings health fair to Magic Valley dairy. Intermountain Farm & Ranch. January 25, 2023.
https://www.postregister.com/farmandranch/idaho/ui-extension-excite-team-brings-health-fair-to-magic-valley-dairy/article_80b6f6f6-9cdb-11ed-9dd6-5b566150a844.html
 Magic Valley.com. January 24, 2023. https://magicvalley.com/news/local/ui-extension-team-brings-health-fair-to-magic-valley-dairy/article_934e2e8a-9c1b-11ed-ab37-0fe7d455ef58.html
 Extension ExPress. January 2023. <https://www.uidaho.edu/extension/news/express/2023-january#excite>
- Stuebner, S. 2022. Gooding, Wood River Districts build support for conservation with community gardens. 2022. Conservation the Idaho Way. Idaho Soil & Water Conservation Commission newsletter. Issue 111. September 2022. https://swc.idaho.gov/wp-content/uploads/2022/09/2022_09-September-Newsletter.pdf
 Also published in:
 Times News. October 3, 2022. https://magicvalley.com/news/local/gooding-wood-river-districts-build-support-for-conservation-with-community-gardens/article_2e0ef962-4100-11ed-a77e-0f42c8f862c3.html
 Intermountain Farm & Ranch. Post Register. September 13, 2022.
https://www.postregister.com/farmandranch/idaho/soil-conservation-districts-build-support-forconservation-with-community-gardens/article_fc72e8dc-336c-11ed-acf3-f77af5e9675d.html
- Williams Brackett, K. 2022. Curious Mind: The scoop on poop. Times News and Magic Valley.com. August 23, 2022. https://magicvalley.com/news/local/curious-mind-the-scoop-on-poop/article_394b6938-225f-11ed-bd3d-03c5a84d873f.html
- Ashton, H. 2021. Learning to farm better: Farmers see U of I research in person. Times News and Magic Valley.com. August 27, 2021. https://magicvalley.com/business/agriculture/learning-to-farm-better-farmers-see-u-of-i-research-in-person/article_d928bf71-e1ff-56ea-9ed6-aed71799cc3d.html
- Stribling, A. 2020. Project shows promise for reducing ammonia emission. Farm Progress. August 18, 2020. <https://www.farmprogress.com/print/419845>
- Stribling, A. 2020. Reducing Ammonia Emissions. University of Idaho Extension News.
<https://www.uidaho.edu/extension/news/story/reducing-ammonia>
- Taros, M. 2020. Higher COVID-19 case numbers for Latinos in the Magic Valley highlight larger issues. Times News. June 7, 2020. https://magicvalley.com/news/local/higher-covid-19-case-numbers-for-latinos-in-the-magic-valley-highlight-larger-issues/article_0d400608-c785-51c9-8cc0-866fdfd2ea98.html
- Taros, M. 2020. Virus is 'big unknown' for dairy: Spanish virus info crucial to curb hit to Idaho dairies, experts say. Times News. April 6, 2020. https://magicvalley.com/news/local/virus-is-big-unknown-for-dairy-spanish-virus-info-crucial-to-curb-hit-to-idaho/article_4fab4cf6-213b-52e7-9760-8e6f862b8257.html
- Reed, B. 2020. COVID-19 resources and dairy workers' situation. Live interview in Spanish (30 minutes). 99.1 La Perrona Radio. March 27, 2020.

Interview Articles (cont.):

- Kryzanowski, T. 2016. Fighting odors with Zeolite. Scrubbers containing the same material used in cat litter give hope to farms under pressure to control odor. *Manure Manager*. September 2016.
- Dumas, C.R. 2016. Zeolites filter showing results in capturing ammonia, odors. *Capital Press*. November 15, 2015.
- Mckevitt, K. 2015. Sustainability Fair an example of sustainable life. *Valley Press*. May 2015.
- Munniksma, L. 2013. Poop Happens. *Hobby Farms*. November/December 2013.
- McGovern C. 2013. U of I researchers studying dairy odor control. *Idaho Business Review*. August 5, 2013.
- O'Connell, J. 2012. Researches study benefits of composting vine prunings. *Capital Press*. August 3, 2012. <http://www.capitalpress.com/print/JO-VineyardMulch-080212>.
- Loftus, W. 2012. Nutrient management a conference topic. *AgKnowledge*. February 2012, #274.
- Snyder C. 2009. Larvae may offer manure help. *Ag Weekly*. January 31, 2009. Hard copy, Vol. 19, 3, pg. 30. Online <http://www.agweekly.com/articles/2009/03/18/commodities/dairy/dairy21.txt>
- Research center welcomes visitors. *Capital Press*, August 1, 2008.
- Fritz, M. 2008. New Hires – Mario. *Programs & People*. University of Idaho, College of Agricultural & Life Sciences. Winter 2008.
- Helping dairies, Hispanics, youth. *Programs & People*. University of Idaho, College of Agricultural & Life Sciences. Winter 2008.
- Fritz, M. 2007. Mario de Haro Martí Joins Extension in Gooding County. *Extension Focus Volume 22, Number 5*. September/October 2007.
- Hanson, M. 2007. New Extension agent flies in with interesting background. *Gooding County Leader*. Volume 99, Number 38. September 20, 2007.

Media Presentations:

- Vermeer National Dairy Compost Press Event. Boise, Idaho, October 30-31, 2011.

Applied Research/Demonstration Trials:

- Chibisa, G., C. Myers, **de Haro Martí, M.E.**, and M. Chahine. 2021-2022. Effects of feeding different zeolite size to beef cows on manure emissions. *Applied research*.
- de Haro Martí, M.E., S. Hines, A. Simerlink, J. Packham, G. Loomis, and L. Schott. 2021-ongoing. Dual (interseeding) and double cropping with cover crops and corn silage. Idaho Sustainable Initiative for Dairy (ISAID), a USDA-NIFA-AFRI Sustainable Agricultural Systems grant. *Applied research*.
- de Haro Martí, M.E., A. Simerlink, and M. Chahine. 2021-ongoing. Improving dairy compost methods and quality to better manage nutrients, soil health, and crop production while reducing environmental impact. Idaho Sustainable Initiative for Dairy (ISAID), a USDA-NIFA-AFRI Sustainable Agricultural Systems grant. *Applied research*.
- Schott, L., J. Jamison, S. Hines, **M.E. de Haro Martí**, J.H. Packham, and G. Loomis. 2020 - 2022. Evaluating biostimulants for use in southern Idaho. *Applied research*.
- de Haro Martí, M.E. and M. Chahine. 2020. Settling properties of clinoptilolite zeolite in dairy calf's liquid feed. *Applied research*.
- de Haro Martí, M.E., B. Messick, and P. Huggins. Urban and agricultural conservation practices demonstration plots. Community food production. Gooding Community Garden, Idaho. *Demonstration and community service*. 2019 - ongoing.
- Alessa, L., R. Lammers, A. Kliskey, E.J. Trammel, D. Griffith, S. Zuidema, A. Prousevitch, F. Liao, S. Dengler, **M.E. de Haro-Martí**, P. Williams, G. Villamor, S. Gilmore, and A. Davis. 2016-20. INFEWS/T3: Social-ecological-technological solutions to waste reuse in food, energy, and water systems (ReFEWS). *Multistate applied research*.
- Chahine, M., G. Ferreira, G. Shewmaker, S. Hines, and **M. E. de Haro-Martí**. 2018. Transferring knowledge to trainers on water conservation practices and their effects on forage quality to ensure environmental and economic sustainability of livestock production systems. *Applied research and demonstration trial*.

Applied Research/Demonstration Trials (cont.):

- Norell, R., J. Spencer, A. Ahmadzadeh, **M.E. de Haro-Martí**, M. Chahine. 2017-19. Characterization of the electrical resistance of adult dairy cattle in southern Idaho using a 500 ohm shunt resistor. Applied research trial.
- de HaroMartí, M.E., B. Messick, T. Woodland. 2015-2020. Summer and winter cover crops demonstration plots. Gooding Community Garden, Idaho. Demonstration trial.
- Chen, L., H. Neibling, **M.E. de Haro-Martí**, and S. Kulesza. 2017. Dairy Manure Solid/Nutrient Separation. Applied research trial.
- de Haro-Martí, M.E. 2016-17. Corn greenhouse trial using zeolite enhanced compost. Gooding, Idaho. Applied research trial.
- de Haro-Martí, M.E., L. Chen, H. Neibling, and M. Chahine. 2012-15. Using zeolites to control odor, air emissions, and nutrient retention on Idaho dairy operations. Applied research trial. Gooding and Buhl, Idaho.
- Chahine, M., A. Bach, **M.E. de Haro-Martí**, and C. Matuk. 2013. Effect of blood plasma supplementation on production and reproduction of multiparous dairy cows. Applied research trial. Buhl, Idaho.
- Chen, L., S. Hoff, H. Neibling, **M.E. de Haro-Martí**, B.B. He. W. Gray. 2012-13. Implementation of Biofiltration Technology. Applied research and demonstration. Idaho and Iowa.
- de Haro-Martí, M.E., A. Agenbroad, T. McCammon. 2012-13. Composting of grape vine prunings and dairy manure. Applied research and demonstration. Emmett, Idaho.
- de Haro-Martí, M.E. and T. Woodland. 2010. Gooding High School, Gooding, Idaho. Permanent Industrial Vermicomposting Reactor Demonstration. 2010-2017. Environmentally Sound Processing of Kitchen Waste. 2010-2017.
- de Haro-Martí, M.E. 2011. Gooding Community Garden University of Idaho Research and Demonstration Plot. Gooding, Idaho, 2011, 2012, 2013.
- Chen L., **M.E. de Haro-Martí**, M. Chahine, H. Neibling, and W. Gray. 2012. Dairy manure land application using a drag hose and injection system. Applied research and demonstration. Buhl, Idaho.
- de Haro-Martí, M.E. 2011. University of Idaho R&E and 4-H Gooding Community Garden Plots Tour. Gooding, Idaho, August 4, 2011.
- de Haro-Martí, M.E., R. Sheffield, A. Leytem, D. Bjorneberg, and D. Roper. 2007. Hose Drag Land Application and Air Monitoring Field Day Demonstration. Murtagh, ID. October 10, 2007.

Judging:

- FFA Spanish Creed Judging. FFA State Convention. Twin Falls, ID. April 7, 2023.
- Gooding Soil Conservation District Poster Presentation Competition. Gooding, ID. October 13, 2022.
- October 14, 2021.
- FFA Spanish Creed Judging. FFA State Convention. Twin Falls, ID. April 8, 2022.
- LARC 554 Studio Class. UI-CNR. Students mid-term project presentation judging. Moscow, ID. October 12, 2018.
- Gooding County Fair. 4-H Judging
- Oral presentations on animal science, goat and lama. 2018
 - Oral presentations on Leadership, livestock, animal science. Poster, and flyer. 2016, 2015.
 - Oral speech presentations. 2014.
 - Oral presentations on dairy. 2010, 2008, 2007.
- Ron Sheffield Memorial. Student's Poster Competition. Judge. Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Raleigh, North Carolina. April 18-21, 2017.
- Idaho Association of Soil Conservation Districts Speech Contest. Gooding SCD. October 12, 2016.
- Gooding 4-H FCS/Leadership Scholarship. 2016.

Review Activities:

- University of Wisconsin-Madison Extension. Peer-reviewed publications. 2021/2022. One publication as Blind Reviewer.

Review activity (cont.)

Fast Track. Peer-reviewed publications.
 2023. One publication translation as Blind Reviewer.
 2021/2022. One publication as Blind Reviewer.
 2020/2021. One publication as Associate Editor. One publication as Blind Reviewer.
 Transactions of the American Society of Agricultural and Biological Engineers. 2021. One publication as Blind Reviewer.
 International Journal of Environmental Research and Public Health. 2021. One publication as Blind Reviewer.
 US Ag Center. Video publication on respiratory protection review in Spanish. 2021.
 U.S. Livestock Genetics Export, Inc. 2021. Translation review (English-Spanish) of multi-species Facts' deck cards.
 International Journal of Environmental Research and Public Health (IJERPH). MDPI. One article. 2020. Blind Reviewer.
 US Ag Center. Peer-reviewed video script and video (Spanish). 2020. Blind Reviewer.
 Fast Track. Peer-reviewed publications. 2020. One publication as Associate Editor. One publication as Blind Reviewer.
 Spanish speaking workers' longevity survey. December 2019. English-Spanish translation review.
 The Big Picture Genomics Humans and Animals. 2018. Notes from Idaho Genomic Workshops. English-Spanish translation review.
 Genomic Selection Has Changed Dairy Sire Selection. 2018. Notes from Idaho Genomic Workshops. English-Spanish translation review.
 Agricultural Air quality Conservation Measures. Reference Guide for Poultry and Livestock Production Systems. USDA-NRCS and EPA. 2017. Reviewed February 2017.
 Odor control practices for northwest dairies. Review for publication actualization. University of Idaho. Bulletin CIS 1148. August 2016.
 Odor assessments of Idaho livestock farms and manure application practices. Review for publication actualization. University of Idaho. Bulletin RES 164. August 2016.
 Land Application of Manure Nutrients video, video script, and related web fact sheet. Review. Extension.org. June 2016.
 Early sick dairy heifer identification is important for their survival and future milk production. Translation review (English-Spanish). Dairy Xnet- eXtension publication. October 2014.
 Displaced Abomasum – Avoiding the need for a tummy tuck in dairy cows. Translation review (English-Spanish). Dairy Xnet- eXtension publication. October 2014.
 Cow management during calving. Translation review (English-Spanish). Dairy Xnet- eXtension publication. February 2014.
 Artificial Insemination Idaho State Board Examination. Translation review (English-Spanish). Idaho State Department of Agriculture. March 2013.
 Home Affordable Refinance Program (HARP) brochure. Translation review (English-Spanish). University of Idaho Extension, Jerome County. October 2012.
 Wanted: Caring adults who make a difference, brochure. Translation review (English-Spanish). University of Idaho Extension, Gooding County. February, 2012.
 Nevada Beef Quality Assurance Certificate. Translation review (English-Spanish). Nevada Beef Council. September 2011.
 Dehorning calves with paste. Translation review (English-Spanish). Oregon State University Fact Sheet PNW 626. February 2011.
 Updated Spanish Version of CEBWS Crop Budget Program. Translation Review (English-Spanish). Computer Program. University of Idaho. October 2010.
 Transactions of ASABE Journal. Reviewed paper SE-08562-2010 "Mask Scentometer for Assessing Ambient Odors." June 2010.
 Served as reviewer. e-eXtension FAQ. 2007. <https://faq.extension.org>. May 2007.

Translation Activities:

Script for Unloading potatoes out of storage. 2020. (Video). (English-Spanish).
 Script for Moving potatoes from truck to piler. 2020. (Video). (English-Spanish).

Translation Activities (cont.):

- Dining with diabetes. Flyer. December 2019. (English-Spanish).
- RMS Reproduction Training. Twin Falls, ID. September 27, 2017. Live Translation (English-Spanish).
- Dairy Middle Management Training and Round Table in Spanish. Twin Falls, ID. Live Translation (English-Spanish).
- Use of genetic principles in livestock production and Use of Beef Quality Assurance protocols on dairies. B. Glaze. June 15.
- Genomics and Fertility. J. Dalton. May 18.
- How To Evaluate Dairy Facilities. R. Norell. March 30.
- Improving Artificial Insemination Techniques. Translation (English-Spanish). extension.org. June 2016.
- Safe Handling of Dairy Cows. Translation (Spanish-English). extension.org. April 2016.
- Managing Labor Responsible for Feeding the Lactating Dairy Herd. Translation (English-Spanish). extension.org. February 2016.
- What Are Your Dairy Cows Telling You about Their Nutrition Program? Translation (English-Spanish). extension.org. February 2016.
- Handle Sexed Semen with Care to Maximize Heifer Fertility. Translation (English-Spanish). extension.org. February 2016.
- Checklist for the Top 5 Priorities for Fall/Winter Dairy Feeding Programs. Translation (English-Spanish). extension.org. January 2016.
- Checklist for Nutritional Aspects for Improving Reproductive Efficiency. Translation (English-Spanish). extension.org. January 2016.
- Dairy Feeding and Management Considerations during Heat Stress. Translation (English-Spanish). extension.org. March 2015
- Checklist for Nutritional Aspects for Improving Reproductive Efficiency. Translation (English-Spanish). extension.org. April 2015.
- Food & Fun Challenge flyer. Translation (English-Spanish). University of Idaho Extension. June 2014.
- Two letters of support for presentation to University of Idaho Extension awards. Translation (English-Spanish). April 2014.
- Idaho Dairyman Association. Translation (English-Spanish). January 2013.
- Employment Application
 - Agreement for protection of company operations
- Swing into Spring with 4-H, brochure. Translation (English-Spanish). University of Idaho Extension, Gooding County. March, 2013, March 2012.
- Farm and dairy workers workshop in Spanish, brochure. Translation (English-Spanish). University of Idaho Extension, Lincoln and Gooding Counties. February 2012.
- 4-H Youth Program, brochure. Translation (English-Spanish). University of Idaho Extension, Gooding County. January 2012.
- Test Your Water Well Brochure. Idaho Department of Environmental Quality. English-Spanish. April, 2011.
- What to do if Someone Ingests a Pesticide Brochure. FFA and National Pesticide Information Center. English-Spanish. March 2011.
- 2010 Christmas Assistance-Christmas for Kids. Registration Form. Toys for Tots Program. English-Spanish. December 2010.

Community Service:

Gooding Community Garden co-manager. 2011 - present.

Service Honors and Awards:

2010 Outstanding Young Farmer. U.S. Junior Chamber. My nominee, Mr. Greg Hirai, was selected as one of ten national finalists who obtained an award and trip stipends.

PROFESSIONAL DEVELOPMENT:**Scholarship:**

IRB Investigators and Student Researchers Stage 1 Course. CITI Program. January 23, 2022.
 National Association of Extension Program & Staff Development Program. Virtual summer school webinars. 2017.
 What Can Be Published – Turning the non-publishable into publishable. August 7.
 Digital Storytelling for Scholarly Engagement. August 8.
 Getting Published – How and Where to Get Published. August 9.
 SAS Workshop. University of Idaho CALS. Twin Falls, ID. June 7, 2017.
 Agricultural Producers Grants Workshop. Natural Resources Conservation Service. Gooding, Idaho. March 24, 2010.

Outreach:

Anaerobic digester visit. SHELL-UI meeting. Wendell, ID. May 10, 2023.
 University of Idaho Extension Annual Conference. Sun Valley, ID. April 10-13, 2023.
 CPR Training. American Hearth Association. Twin Falls, ID. March 7, 2023.
 ASABE Soil Erosion Research under a Changing Climate International Symposium. Aguadilla, Puerto Rico. January 8-13, 2023.
 Introduction to Scientific Programming in R. University of Idaho. Spring 2023.
 UI Extension Pesticide recertification training. Twin Falls, ID. December 1, 2022.
 ISAID Annual Meeting 2022 and Regenerative Ag Workshop. Twin Falls, ID. October 3, 2022.
 Carcass Management Preparedness Train the Trainer Program. Washington State University Extension – USDA-APHIS. Puyallup, WA. June 8-10, 2022.
 Idaho Agricultural Agents Association (IACAA) Summer meeting. Mountain Home, ID. June 2-3, 2022.
 ISAID Student retreat and dairy farm visits. Twin Falls, ID. May 3-4, 2022.
 Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Oregon, OH. April 18-22, 2022.
 University of Idaho Extension Annual Conference. Moscow, ID. April 11-15, 2022.
 Pesticide recertification trainings.
 Shoshone, ID. February 11, 2022.
 Idaho Potato Conference. Pocatello, ID. January 19-20, 2022.
 University of Idaho Annual Employee Required Training C. Online. 2022, 2021, 2020.
 University of Idaho Extension Virtual Annual conference. April 12-16, 2021.
 Livestock and climate change: Assessment of emissions, mitigation options and adaptation strategies. Online advanced course. Mediterranean Agronomic Institute of Zaragoza (IAMZ). Zaragoza (Spain). 36 hours. October 19-30, 2020.
 Pacific Northwest & Mountain West Nutrient Cycling, Soil Health & Food Safety Virtual Conference. October 27-29, 2020.
 American Dairy Science Association. 2020 Virtual Annual conference. June 20-24, 2020.
 University of Idaho Extension Virtual Annual conference. April 13-17, 2020.
 Pesticide applicator recertification seminar. Burley and Twin Falls, ID. December 4-5, 2019.
 Dairy Risk Management Workshops. Twin Falls, ID. November 21, 2019, and January 30, 2020.
 Idaho Nutrient Management Conference. Twin Falls, ID. November 15, 2018.
 Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Minneapolis, MN. April 23-26, 2019.
 University of Idaho Extension Annual conference. Idaho Falls, ID. March 25-28, 2019.
 Idaho Dairymen Association Regional Meeting. 2019.
 Twin Falls, ID. January 10.
 Burley, ID, January 11.
 Pesticide applicator recertification seminar. Burley, ID. December 5, 2019.
 New Idaho Nutrient Management Plan training. ISDA. Kimberly, ID. July 26, 2018.
 Zeolite 2018, 10th International Conference on the Occurrence, Properties and Utilization of Natural Zeolites. Kraków, Poland. June 24-29, 2018.

Professional Development, outreach (cont.):

Idaho Dairymen Association district meeting and training. Twin Falls, ID. January 9, 2018.

Pesticide applicator recertification seminar. Burley, ID. December 13. Twin Falls, ID. December 14, 2017.

Risk Assessment and Management Education for Dairy Farmers in the Western Region. Twin Falls, ID. Session I, November 16, 2017. Session II, January 24, 2018. Session III, March 7, 2018.

Idaho Dairy Herd Improvement Association Dairy Goat annual meeting. Twin Falls, ID. September 23, 2017.

Mass animal mortality workshop. Raleigh, North Carolina. April 18, 2017.

Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Raleigh, North Carolina. April 18-21, 2017.

University of Idaho Extension Annual Conference. Burley, ID. April 3-6, 2017.

Introduction to Animal Care and Use. Collaborative Institutional Training Initiative Program (CITI). WEB. March 31, 2017.

Nutrient Management Training. Idaho Dairymen Association. Twin Falls, ID. February 15, 2017.

Organic Farming Conference. NCAP. Twin Falls, ID. February 8, 2017.

Pesticide recertification program. CSI Agri-action. Three credits. Twin Falls. February 3, 2018.

UI Pesticide recertification program. Six credits. Sawtooth Inn Jerome. December 8, 2016.

Idaho and National Veterinary Stockpile Full Scale Exercise. Jerome, Idaho. August 24, 2016.

Master Gardener Diagnostic Training. University of Idaho Extension. Gooding, Idaho. April 21, 2016.

University of Idaho Extension-CALS Annual Conference. Moscow, Idaho. April 4-7, 2016.

Idaho Dairymen's Association Nutrient Management Training. Twin Falls, Idaho. March 15, 2016.

Idaho Dairymen's Association District meeting and training. Twin Falls, Idaho. January 15, 2016.

Organic Workshop 101. NCAP. Twin Falls, Idaho. December 3, 2015.

UI Pesticide Training for Extension Educators. Twin Falls, Idaho. November 17, 2015.

Idaho Association for Plant Protection meeting. Jerome, Idaho. November 4-5, 2015.

Farm Management Training for Extension Educators. Jerome, Idaho. October 8, 2015.

V International symposium in Animal Mortality Management. Lancaster, Pennsylvania. September 28 – October 1, 2015.

American Dairy Science Association, ASAS, Joint Annual Meeting. Orlando, Florida. July 12-16, 2015.

From Waste to Worth, Advancing Sustainability in Animal Agriculture conference. Seattle, Washington. March 30 – April 2, 2015.

Organic Farming Conference. Northwest Center for Alternatives to Pesticides. Twin Falls, Idaho. January 30, 2015.

Idaho Nitrate Symposium. Idaho Department of Environmental Quality. Twin Falls, Idaho. December 4, 2014.

Dairy Margin Protection Program . United Dairymen of Idaho- University of Idaho. Twin Falls, Idaho. October 23, 2014.

Sustainable Dairy Symposium. Twin Falls, Idaho September 16-17, 2014.

Expoláctea. International Dairy Exposition. Aguas Calientes, Aqs, México, March 12-14, 2014.

Idaho Nutrient Management Conference. Twin Falls, Idaho. March 6, 2014.

Media Training. University of Idaho Extension. Twin Falls, Idaho. February 25, 2014.

Sustainable Ag Conference. Boise, Idaho. November 14, 2013.

Wildlife Management and Control Course. Boleman, Montana. June 25-26, 2013.

Master Gardener Diagnostic Training. University of Idaho Extension. Gooding, Idaho. May 8, 2013.

Western Dairy Air Quality Symposium. Boise, Idaho. April 16-17, 2013.

University of Idaho Extension-CALS Annual Conference. Moscow, Idaho. April 8-11, 2013.

From Waste to Worth Waste Management Conference. Denver, Colorado. April 1-5, 2013.

Farmer Networks Training. Oregon State University. Videoconference, Twin Falls, Idaho. March 7, 2013.

National Mastitis Council Annual Meeting. San Diego, California. January 27-30, 2013.

4th International Conference on Climate Change. Seattle, Washington. July 12-13, 2012.

University of Idaho Extension-CALS Annual Conference. Boise, Idaho. April 2-5, 2012.

Idaho Nutrient Management Conference. University of Idaho. Jerome, Idaho. March 6, 2012.

Professional Development, outreach (cont.):

- Grower's Own Conference. Northwest Center for Alternatives to Pesticides. Twin Falls, Idaho. February 3, 2012.
- National Mastitis Council Annual Meeting. St. Pete Beach, Florida. January 22-24, 2012.
- Idaho Beef Summit. University of Idaho Extension. Twin Falls, Idaho. January 5-7, 2012.
- Virtual Renewable Energy Education Field Day. Farm Foundation – USDA. Internet. October 26, 2011.
- Advanced Master Gardener Training. Insect Identification. Twin Falls, Idaho. June 9, 2011.
- NCSU 11th Annual Vermiculture Conference. Las Vegas, Nevada. May 26-27, 2011.
- USEPA Sixth AgSTAR National Conference. Boise, Idaho. May 10-12, 2011.
- University of Idaho Extension-CALS Annual Conference. Moscow, Idaho. April 4-7, 2011.
- ISDA Nutrient Management Seminar. Twin Falls, Idaho. March 8-9, 2011.
- National Mastitis Council Annual Meeting. Arlington, Virginia. January 23-26, 2011.
- Sustainable Energy Conference. College of Southern Idaho. Twin Falls, Idaho. November 16-17, 2010.
- Profitable and Sustainable Agricultural Systems Workshop. University of Wyoming. Laramie, Wyoming. November 2-3, 2010.
- UI Pesticide Training for Extension Educators. Twin Falls, Idaho. October 27, 2010.
- Your School and IPM. ISDA Pesticide Training. Twin Falls, Idaho. October 26, 2010.
- ADSA-PSA-AMPA-CSAS-WSASAS-ASAS Joint Annual Meeting. Denver, Colorado. July 11-15, 2010.
- NCSU 10th Annual Vermiculture Conference. Durham, North Carolina. May 26-28, 2010.
- Advanced Master Gardener Workshop. Pruning the Neglected Tree. Jerome, Idaho. May 13, 2010.
- University of Idaho Extension-CALS Annual Conference. Burley, Idaho. April 12-15, 2010.
- Idaho Nutrient Management Conference. Shoshone, Idaho. March 9, 2010.
- National Association of County Agricultural Agents Annual Conference. Portland, Oregon. September 20-24, 2009.
- Western Odor and Air Quality Education Program. Leavenworth, Washington. June 15-16, 2009.
- Fruit Tree Pruning Workshop. University of Idaho. Gooding, Idaho. March 18, 2009.
- University of Idaho Extension-CALS Annual Conference. Moscow, Idaho. March 9-13, 2009.
- Foreign Animal Disease Response Training Officer - Train the Trainer Course. USDA-APHIS, DHS, FAZD. Twin Falls, Idaho. February 10, 2009.
- Principles of Industrial Cheesemaking Workshop. University of Idaho & TechHelp. Twin Falls, Idaho. February 3-4, 2009.
- Master Gardener Training. University of Idaho. Jerome, Idaho. January 8 to March 19, 2009.
- Compost Facility Operator Training. Washington Organic Recycling Council. Puyallup, Washington. October 20-24, 2008.
- Western Region Ag Agent Conference. Prineville, Oregon. October 15-16, 2008.
- Soil Sampling Certification Workshop-ISDA. Twin Falls, Idaho. September 16, 2008.
- Grasshopper Management Workshop. University of Idaho. Twin Falls, Idaho. May 22, 2008.
- Air Emissions Mitigation from CAFO Conference. Des Moines, Iowa. May 19-23, 2008.
- First Idaho Green Expo. Boise, Idaho. May 17, 2008.
- Pesticides Training. Parma Extension Office. Parma, Idaho. April 4, 2008.
- University of Idaho Extension-CALS Annual Conference. Boise, Idaho. April 1-3, 2008.
- SARE-New American Farm Conference. Kansas City, Missouri. March 25-27, 2008.
- Nutrient Management Conference. Jerome, Idaho. March 4, 2008.
- Weed School. Shoshone, Idaho. February 20, 2008.
- Pasture and Animal Management for Small Acreage Landowners. Gooding, Idaho. January 29, 2008.
- National Mastitis Council Annual Meeting. New Orleans, Louisiana. January 20-23, 2008.
- Alfalfa Intensive Training Seminar. National Alfalfa & Forage Alliance. Boise, Idaho. November 13-15, 2007.
- Climate Change and Beyond. Idaho Council on the Environment – IDEQ. Boise, Idaho. October 30-31, 2007.
- Are Tree Fruits in Your Future? Small Acreage Farming Workshop. University of Idaho Extension. Hagerman, Idaho. October 23, 2007.

Professional Development, outreach (cont.):

International Symposium on Air Quality and Waste Management for Agriculture. ASABE. Broomfield, Colorado, USA. September 15–19, 2007.
International Ammonia Conference in Agriculture. Wageningen UR. Conference Center De Reehorst. Ede, Netherlands. March 19–21, 2007.
Idaho Nutrient Management Conference for Professionals. University of Idaho. Twin Falls, Idaho. March 7, 2006.
Intermountain Conference on the Environment. Idaho State University. Pocatello, Idaho. 2005.

Administration/Management:

HR Issues for Supervisors. University of Idaho Training. 2022.
QuickBooks training. University of Idaho Extension. Gooding, ID. May 30, 2018.
County Chair Training. University of Idaho Extension. Caldwell, ID. May 14-15, 2018.
Supervisor Training. ICRMP. Gooding, ID. October 23, 2017.
American Heart Association. Heartsaver CPR AED Certification. Kimberly, Idaho. March 23, 2016.
Colors personality training. University of Idaho Extension. Gooding, Idaho. November 16, 2015.
Idaho's Journey for Diversity and Human Rights. University of Idaho. Twin Falls, Idaho. October 5, 2012.
American Heart Association. Heartsaver CPR AED Certification. Twin Falls, Idaho. April 10, 2012.
University of Idaho Conflict Resolution Training. Twin Falls, Idaho. June 2, 2011.
Navigating the Difference. University of Idaho Diversity Training. Twin Falls, Idaho. January 5-7, 2011.
County Chair Training. University of Idaho Extension. Boise, Idaho, 2008.