

Project/Activity Number: NC1198

Project/Activity Title: Renewing an Agriculture of the Middle: Value Chain Design, Policy Approaches, Environmental and Social Impacts

Period Covered: October 12, 2018 to October 16, 2019.

Date of This Report: December 16, 2019

Annual Meeting Date(s): October 16-17, 2019.

Participants: Meeting attendees October 16-17, 2019 included:

Thomas Bass (U of Montana), Catherine Brinkley (UC-Davis), Kate Clancy, David Connor (U of Vermont), Lindsey Day Farnsworth (U of Wisconsin), Gail Feenstra (UC-Davis), Jill Fitzsimmons (U of Massachusetts-Amherst), Mary Hendrickson (U of Missouri), Clare Hinrichs (Pennsylvania State University), Phil Howard (Michigan State), Becca Jablonsi (Colorado State University), Jan Jonnides (Renewing the Countryside), Patricia Kovacs (USDA-AMS), Bill Lacy (UC-Davis), Michelle Miller (U of Wisconsin), Marcy Ostrom (Washington State), Hikaru Petersen (U of Minnesota), Andrew Stevens (U of Wisconsin), Keiko Tanaka (U of Kentucky)

Brief Summary of Minutes:

- 1) Review of participant activities and sharing of information: This included an update on newly funded projects of interest to Agriculture of the Middle, which included new research on grazing, hazelnuts, rural wealth creation, value-added retail, and hard cider market opportunities for orchardists. <p>
- 2) Project reports:<p>
 - Discussion of new Local Food Marketing Practices survey, particularly in shaping questions for the survey, as well as an update on new the implementation process of new Farm Bill programs. (*Objective 1: Economics*)<p>
 - Discussion of Colorado State researchers using ARMS data to disaggregate market channels and to understand farmer performance matched with state level policy variables. Interested in understanding impacts by scale and commodity. (*Objective 1 and 5: Economics, Policy*) <p>
 - Discussion revolving around conceptualizing regional food systems, the role of values-based value chains, and the difficulty of transforming locally based network connections to regionally-based systems. (*Objective 2: Community Goals & Needs*) <p>
 - Wisconsin researchers discussed domestic fair trade research and potential impacts, especially around worker vulnerabilities and strategies. (*Objective 2: Community Goals & Needs*) <p>
 - Discussion of competition issues surrounding AOTM, including market access for small growers, as well as understanding how values shape both supply and demand curves, and how expectations of fairness can shape producer participation and influence competition policy. (*Objective 4 and 5 Governance and Policy*) <p>

- Other discussions included survey methodology, definitions of values-based value chains, and influence of big data on AOTM. <p>
- 3) Policy Update and Interaction: <p>
- Discussion of policy related work with relevant stakeholders and interest groups, which included food policy councils, farm to school, food safety, competition/antitrust. Policy briefing from AA Coletti on ERS/NIFA relocation and budget issues. Policy briefing from National Sustainable Agriculture Coalition on climate change and immigration policies, Farm Bill implementation, and federal budget issues. <p>
- 4) Decisions Made:
- Future Leadership: Kathryn DeMaster 2019-2020, Becca Jablonski 2020-2021, Lauren Gwinn 2021-2022.
 - Exploration of Big Data and AOTM: Tanaka, Worosz, DeMaster, Hendrickson
 - Exploration of Blockchain and/or Competition Issues: FitzSimmons, Howard, Hendrickson, Connor, Worosz.
 - Website Updates: Miller, DeMaster, Jablonski, Hendrickson

Accomplishments:

Objective 1: Investigate key factors that influence economic performance and viability of mid-scale farms/ranches and their supply-chain partners.

Objective 2: Identify and assess the possibilities of mid-scale supply chains to contribute to community goals and needs.

California: The UC Davis team continued to work in four main areas of research and outreach that addressed Objectives 1 and 2. They include: (1) farm to school/ farm to institution evaluation and food service procurement from regional producers; (2) new market development and training for small, mid-scale, beginning and immigrant producers through values-based supply chains; (3) agritourism as a strategy for small and midscale farmers to add value to their operations; and (4) contributions of food policy councils to local food policy, including that which impacts small and midscale farmers. Multiple projects allowed examination of perspectives and practices through the supply chain to understand challenges of farmers, distributors, processors, manufacturers, wholesalers, retailers and consumers who participate in these values-based supply chains.

- *Farm to school/institution.* Completed our farm to school evaluation work in Calaveras County. Held a Food Summit in June, 2019 with UC and CSU food service directors and food hubs, to explore constraints and opportunities for food hubs to sell more regional food to University/College food service.
- *New market development/training for small and midscale farmers.* Provided training and professional development for farmers and ranchers and our UCCE colleagues; held 1 famer-specialty food buyer mixer to introduce farmers and buyers in Northern CA to

each other; shared the 5 fact sheets (previous outputs from NC1198) for producers interested in working with the specialty food industry; conducted 8 farmer to farmer (CRAFT) tours in Northern CA for more experienced farmers to share practical information with beginning farmers; organized 2 on-farm food safety workshops for farmers who are part of food hubs; organized 1 farmer tour to wholesale buyers in the Sacramento area; organized 3 meetings (Dec, Mar & Sept) of the Farmer Educator Network to share needs and opportunities among organizations serving small and mid-scale and beginning farmers; organized a food hub convening as part of the Food Summit, bringing food service staff at the UCs and CSUs together with food hubs; organized one field day to learn about how to grow and market elderberries that are part of hedgerows on farms.

- *Agritourism*. Conducted 6 agritourism planning classes for farmers and ranchers (3 in Santa Cruz and 3 in Calaveras County) as part of the “Agritourism Intensive” workshop series. Provided at least 4 presentations for various organizations interested in agritourism.
- *Food policy councils*. One member of the food policy council research group organized one Bay Area food systems meeting at the Elkus Ranch to share current projects, including results of the food policy council research project.

Colorado: Colorado State University team evaluated how farm to school programs impact the economic performance and viability of mid-scale farms/ranches and the role of mid-scale value chains in supporting these markets. Given that approximately 42% of school districts nationally participate in farm to school, and that public dollars at both the federal and state levels are increasingly leveraged to both improve small and mid-scale farm access to markets and increase healthy eating outcomes in kids, evaluating these efforts is very important. Preliminary results show that farm to school purchasing does help some improve profitability outcomes for some mid-scale farms and ranchers. No observable evidence that kids are more likely to consumer fruits and vegetables that are identified as local, but found important spillover impacts in terms of household’s additional purchases of fruits and vegetables in grocery stores in areas that have had farm to school programs for longer periods of time.

Wisconsin: University of Wisconsin wrapped up the AFRI “Understanding Domestic Fair Trade for Agriculture of the Middle” project. We reviewed three conceptual frameworks for domestic fair trade. An economic analysis of farm labor wages and earnings outcomes compared to other low-skill employment used data from USDAs Farm Labor Survey, The Department of Labor’s NAWS, US Census Bureau’s ACS. Six cases relevant to domestic fair trade were researched and synthesized. The team developed a Workers Rights Card in English and Spanish, available on the project web site at <http://cias.wisc.edu/fair-trade/>. The short report is available through NIFA at <https://portal.nifa.usda.gov/web/crisprojectpages/1009001-understanding-domestic-fair-trade-for-agriculture-of-the-middle.html>.

Cider Project: Team members from UVM, UW-Madison, MSU, and WSU wrote and obtained a USDA NIFA AFRI Small and Mid-Sized Farm Prosperity grant (USDA AFRI #2018-68006-28105) to implement a survey of cider apple growers that addresses the economic performance, the environmental and natural resource aspects, and the community benefits of supply chains for craft hard cider production. Survey invitations were sent via Qualtrics to a list of 82 cider apple growers compiled through Cider Association and Extension records from each of the four states involved in the project (WA, WI, MI, and VT). The project has been advised by a national stakeholder advisory committee and results will be analyzed and shared in the upcoming year.

Objective 4: Examine and assess governance structures and mechanisms of mid-scale supply chains and their role in mediating, communicating, and implementing values around food quality, economic performance, social equity, and environmental sustainability.

Colorado: Colorado State University team has examined how urban food policies support farmers, ranchers, and rural communities, paying particular attending to how these policies impact mid-scale operations. Through the research is still on-going, substantial progress has been made on the Extension side, bringing mid-scale operations into direct conversations with urban buyers and policy makers. We hope that this will help to expand market opportunities, as well as urban understanding of potential impacts of proposed policies.

Objective 5: Build the capacity of project members to investigate, address, and communicate policy issues surrounding mid-scale supply chains.

Kate Clancy and Kathy Ruhf are synthesizing journal articles, book chapters, websites and other resources in developing a report on regional food systems.

Outputs:

Conference presentations:

- De Master, K. Invited panelist: Law and Rurality Workshop, University of California, Davis, February 14-15, 2019.
- Diekman, L. and M. Ostrom (2019). Reclaiming the Community Roots of Extension. Agriculture Food, and Human Values Society Annual Meeting, Anchorage, AK, June 27
- Feenstra, Gail , Shosha Capps & Kaitlin Donovan “Innovations in farm-to-school in rural California,” presentation at the ASFS/AFHVS Conference, June 28, 2019, Anchorage AK (15 attendees)

- Feenstra, Gail (Organizer). “Food policy councils as strategies for ‘Finding Home in the Wilderness’,” Panel presentation at the ASFS/AFHVS Conference, June 28, 2019, Anchorage, AK (*15 attendees*).
- Feenstra, Gail. “Building resilience and equity into growing megalopolitan regions: engaging people in regional food systems,” panel presentation at The Next Urban Giants: Building Resilience and Equity into Growing Megalopolitan Regions by Greening the Urban Human-Natural System workshop, July 30 – Aug 1, 2019, Seattle, WA. (*50 people*).
- Feenstra, Gail, Gwenaël Engelskirchen, Li Schmidt. “Impacts of a Statewide Food Hub Network on Local Food Purchasing in California” Agriculture, Food & Human Values Conference – June 28, 2019. Anchorage, AK.
- Fitzsimmons, J.A. “Market Structure and Pro-Social Firm Choices.” AAEA Annual Meeting, Atlanta, GA 2019. Invited Poster Presentation.
- Hendrickson, Mary K., Christine Sanders and Havery S. James. 2019. “Making Markets Fair: Examining Relationships between Basic Liberties in Agrifood Markets.” Rural Sociological Society Annual Meeting. Richmond, VA. August.
- Hinrichs, Clare. 2019. Placing edible insects within transitions to sustainable food systems. 10th Annual International Sustainability Transitions Conference. Carleton University, Ottawa, Canada. June 23-26. (Obj. 2)
- Miller, Michelle. 2019. “Innovations in Food Logistics” for the National Academies of Sciences “Innovations in the Food System”, Washington D.C., August 2019
- Smith, K. and M. Ostrom (2019). Farm Incubator Programs and Generating Social Capital in Sustainable Community Food System Development, Agricultural, Food, and Human Values Society Annual Meeting, Anchorage, AK, June 28.
- Tanaka, Keiko. 2019. “Justice and Tyranny: Bringing “Rural” Back into the Sociology of Food and Agriculture.” Presidential Address. Rural Sociological Society annual meeting. Richmond. August.
- Vazhnik, Veronika, Esther Parrish, Clare Hinrichs and Tom Richard. 2019. Incorporating the stakeholders into agriculture sustainability assessments. U.S. regional meeting of International Association for Landscape Ecology. Fort Collins, Colorado. April 10. (Obj. 3)

Invited Presentations to Community Groups, Students and Stakeholders:

- Clancy, Kate & Miller, Michelle. “The systems that feed us and what it will take to change them” for the Food and The Wisconsin Idea seminar, April 2019
- De Master, K. Agroecological Transitions and Food Sovereignty: Why the Middle Matters,” Department of Environmental Science, Policy, & Management, Agroecology course guest lecture, November 21, 2019.
- De Master, K. “Lessons from Bite Back: People Taking on Corporate Food and Winning,” Department of Environmental Science, Policy, and Management, Environmental Problem-Solving course guest panelist (with Saru Jayaraman), November 12, 2019.
- De Master, K. “Connections,” Berkeley Connect Professor Day, University of California, Berkeley, October 8, 2019.

- De Master, K. “Bite Back: Powering the Food Rebellion,” Center for Environmental Studies Lecture Series, Brown University, March 7, 2019.
- De Master, K. “Bite Back: Powering the Food Rebellion,” Colgate University Department of Environmental Studies, March 1, 2019.
- De Master, K. “Multifunctional Mavericks: Diversified Farming Systems in Practice,” Cornell University graduate seminar course, March 4, 2019.
- De Master, K. “The Great Agricultural Transition and Fostering Diversified Farming Systems,” Food Systems Minor Graduate Seminar guest lecture. UC Berkeley, September 25, 2018.
- Fitzsimmons, J.A. “Economic Research Tools and Local Foods.” NESARE Summer Tour, Sunderland, MA 2019. Invited Speaker.
- Fitzsimmons, J.A. “Farm to School: Profitability vs. Student Nutrition Outcomes.” Springfield Culinary Nutrition Center Planning Meeting 2019 Springfield, MA. Invited Expert.
- Hendrickson, Mary. “Community Wealth and Consolidated Markets.” National Farmers Union National Convention. Seattle, WA. March 4, 2019.
- Hendrickson, Mary. Panelist on “Food and Agriculture Competition Roundtable -The Consumer and Food Sovereignty: Rising Concentration and its Effects on Food Prices, Choice, and Quality ” Sponsored by the American Antitrust Institute and the University of Wisconsin School of Law. December 7, 2018.
- Hendrickson, Mary. “Regional Food Economies Building Community Wealth.” Keynote presentation at Kansas Rural Center Annual Conference. Wichita, KS. November 16, 2018.
- Lloyd, Sarah. Presentation to the International Association on Work in Agriculture, Workshop on “transversal views on work in agriculture” with a focus on improving agricultural labor relations. Maringa, Brazil, November 2018.
- Miller, Michelle. 2019. SXSW Google panel on food access, Austin, TX 2019
- Miller, Michelle. December 2018. Great Lakes Fruit Expo, on hard cider apple variety analysis
- Miller, Michelle. 2019. “Market access and food freight” for Talking Freight, a US Department of Transportation monthly webinar, April 2019.
- UC SAREP. “Evaluation tools for Farmers Market LIFE project,” Presentation at the monthly Sonoma/Marin farmers market meeting, June 17, 2019, UCCE Santa Rosa office, Santa Rosa, CA (*10 attendees*).
- UC SAREP. “Farm Stays and other Options”, Delta Protection Commission sponsored Delta Lodging Workshop, Walnut Grove, May 17, 2019
- UC SAREP. “Engaging small farmers with the specialty food industry/ Engaging farmers in values-based supply chains and food hubs,” Presentation at the ANR Small Farm Workgroup meeting, Davis, CA, April 29, 2019 (*35 attendees*).
- UC SAREP. “Food Hubs Boosting Small Farm Success” with Capay Valley Farm Shop, Mandela Produce Distribution, Suntracker Farm, Strong Roots Farm. CA Small Farm Conference – February 23, 2019. Davis, CA.

- UC SAREP. “Agritourism in California” for visiting students from Manjing Agricultural University, at the International Center, UC Davis, February 11, 2019
- UC SAREP. “Farm Trails & Collaboration in California Agritourism”, remotely through Zoom conferencing as part of West Virginia Small Farm Conference, Feb. 5, 2019.
- UC SAREP. “Sustainable, regional food systems,” Presentation at the Young Planners Group meeting, Sacramento, CA, January 31, 2019 (30 attendees).
- UC SAREP. “CA Farmer Educator Network (FEN) Open Space Session”. Ecological Farming Conference – January 24th, 2019. Asilomar, CA.
- UC SAREP. “Engaging farmers in the specialty food industry,” Presentation at the Farmer-Buyer Mixer, Sebastopol Grange, January 8, 2019 (40 attendees).

Impacts:

Wisconsin: Results from the hard cider research project targeted to small and midsize growers and makers were summarized and released as a report (available at <http://www.cias.wisc.edu/comparing-apples-to-apples/>.) report (available at <http://www.cias.wisc.edu/comparing-apples-to-apples/>.) This preceded a 4-state AOTM team grant (Ostrom, WA State, PI; Howard, MI, Connor, VT, Miller, WI) of \$500,000 from USDA NIFA AFRI Small and Mid-Sized Farm Prosperity grant (USDA AFRI #2018-68006-28105 “Apple to Glass: Improving orchard profitability through developing regional craft ciders.”

Wisconsin: Lindsey Day Farnsworth and Michelle Miller worked with the City of Madison to secure funding for a business plan for a public food terminal that would serve small and mid-size farmers. The City kicked in \$135,000 for the work that began in earnest this spring. Governance structures are a core part of this work. Farnsworth is completing work on terminal market structure and governance. CIAS is partnered with farm and food businesses on a grant from the Local Food Promotion Program (USDA-AMS), now in its second year

Lindsey Day Farnsworth took a position with University of Wisconsin – Extension as the Food Systems team lead. Michelle Miller is now serving on the NAS Transportation Research Board's standing committee on Agriculture and Food Transportation.

Publications:

Journal Articles and Book Chapters:

- Brekken, C., Dickson, C., Peterson, H., Feenstra, G., Ostrom, M., Tanaka, K., and Engelskirchen, G. (pending publication). Economic Impact of Values-Based Supply Chain Participation on Small and Midsize Produce Farms. *Journal of Food Distribution Research*, Volume 51.
- Christensen, L.O., B.B.R. Jablonski, and J. O’Hara. 2019. School districts and their local food supply chains: Implications for farm to school programs. *Renewable Agriculture and Food Systems* 34(3):207-215.

- Clancy, Kate. “Exploring the Future of Food” in National Academies of Sciences, Engineering and Medicine (forthcoming). *Innovations in the Food System: Exploring the Future of Food: Proceedings of a Workshop*. Washington, DC: The National Academies Press.
- Conner, D., Harrington, H., Heiss, S. and Berlin, L. (Accepted for publication October 16, 2019). How can Food Hubs best serve their buyers? Perspectives from Vermont. *Journal of Hunger and Environmental Nutrition*.
- De Master, Kathryn Teigen, James LaChance, Sarah Bowen, and Lillian McNell. 2019. “Terroir in Transition: Environmental Change in the Wisconsin Artisanal Cheese and New England Oyster Sectors,” *Sustainability* 11(10), 2969.
- De Master, Kathryn Teigen and Jess Daniels. 2019. “Desert Wonderings: Reimagining Food Access Mapping,” *Agriculture and Human Values*, 36(2):241-56.
- De Master, Kathryn. 2018. “New Inquiries into the Agri-Cultures of the Middle,” *Culture, Agriculture, Food and Environment* 40(2): 130-135.
- De Master, Kathryn and Saru Jayaraman. Forthcoming. *Bite Back: People Taking on Corporate Food and Winning*, University of California Press: Berkeley. Accepted January 2019.
- Eaton, Weston M., Katrina Running, Morey Burnham, Clare Hinrichs and Theresa Selfa. 2019. Symbolic meanings, landowner support, and dedicated bioenergy crops in the rural northeastern United States. *Energy Research and Social Science* 52: 247-257. (Obj. 3)
- Eaton Weston M., Morey Burnham, C. Clare Hinrichs, Theresa Selfa and Sheng Yang. 2018. How do sociocultural factors shape rural landowner responses to the prospect of perennial bioenergy crops? *Landscape and Urban Planning* 175: 195-204. (Obj. 3)
- Feenstra, G. (2019). Increasing the capacity for place-based food systems. (Place-based food systems keynote address, Place-based Food Systems Conference, Kwantlen Polytechnic University, Vancouver BC, Canada.) *Journal of Agriculture, Food Systems, and Community Development*, Advance online publication. <https://doi.org/10.5304/jafscd.2019.091.018>.
- Gliessman, Steve, Harriet Friedmann & Philip H. Howard. 2019. Agroecology and Food Sovereignty. *IDS Bulletin* 50(2), 91-110.
- Gupta, C., Campbell, D., Munden-Dixon, K., Sowerwine, J., Capps, S., Feenstra, G., and Van Soelen Kim, J. (2018). Food policy councils and local governments: Creating effective collaboration for food systems change. *Journal of Agriculture, Food Systems and Community Development*, Volume 8, Supplement 2, pp. 11-28. <https://doi.org/10.5304/jafscd.2018.08B.006>
- Hendrickson, Mary K. 2019. “The Economic and Social Conditions of the Solar Corridor Cropping System.” Pp. 121-143 in *The Solar Corridor Crop System* edited by Robert Kremer and C. Leroy Deichman. London: Elsevier Academic Press.
- Hendrickson, Mary K., Philip H. Howard & Douglas H. Constance. 2019. Power, Food and Agriculture: Implications for Farmers, Consumers and Communities. Pp. 13-61 in *In Defense*

of Farmers: The Future of Agriculture in the Shadow of Corporate Power (Jane W. Gibson and Sara E. Alexander, eds.). Lincoln, NE: University of Nebraska Press.

- Hendrickson, Mary K., Harvey S. James, Jr., Annette Kendall, and Christine Sanders. 2018. "The Assessment of Fairness in Agricultural Markets." *Geoforum* 96:41-50.
- Hendrickson, Mary, Harvey James and William D. Heffernan. 2019. "Vertical Integration and Concentration in US Agriculture." In Kaplan D.M. (eds) *Encyclopedia of Food and Agricultural Ethics*. Springer, Dordrecht. DOI: 10.1007/978-94-024-1179-9_216.
- Howard, Philip H. 2019. Corporate Concentration in Global Meat Processing: The Role of Feed and Finance Subsidies. Pp. 31-53 in *Global Meat: Social and Environmental Consequences of the Expanding Meat Industry* (Bill Winders and Elizabeth Ransom, eds.). Cambridge, MA: MIT Press.
- Howard, Philip H. 2018. Increasing Corporate Control: From Supermarkets to Seeds. Pp. 116-131 in *Twenty Lessons in the Sociology of Food and Agriculture* (Jason Konefal & Maki Hatanaka, eds.). New York: Oxford University Press.
- Jablonski, B.B.R., M. Sullins, and D.T. McFadden. 2019. Community Supported Agriculture Marketing Performance: Results from Pilot Market Channel Assessments in Colorado. *Sustainability* 11:2950.
- Jablonski, B.B.R., M. Carolan, J. Hale, D. Thilmany McFadden, *E. Love, *L.O. Christensen, *T. Covey, L. Bellows, *R. Cleary, O. David, *K.E. Jablonski, A. Jones, P. Meiman, J. Quinn, E. Ryan, M. Schipanski, *Hailey Summers, and M. Uchanski. 2019. Connecting Urban Food Plans to the Countryside: Leveraging Denver's Food Vision to Explore Meaningful Rural-Urban Linkages. *Sustainability* 11(7):2022.
- Miller, M. "Innovations in Logistics" in *National Academies of Sciences, Engineering and Medicine* (forthcoming). *Innovations in the Food System: Exploring the Future of Good: Proceedings of a Workshop*. Washington, DC: The National Academies Press.
- Miller, M. (in development) "Critical thresholds for food flow: optimizing efficiency and diversity for resilience".
- Miller, Steven R., J. Robert Sirrine, Ashley McFarland, Philip H. Howard & Trey Malone. 2019. Craft Beer as a Means of Economic Development: An Economic Impact Analysis of the Michigan Value Chain. *Beverages* 5(2), 35.
- Olimpi EM, Baur P, Echeverri A, Gonthier D, Karp DS, Kremen C, Sciligo A and De Master KT. 2019. "Evolving Food Safety Pressures in California's Central Coast Region." *Frontiers in Sustainable Food Systems* 3:102. doi: 10.3389/fsufs.2019.00102.
- Prescott, M. *R. Cleary, A. Bonanno, M. Costanigro, B.B.R. Jablonski, and *A. Long. 2019. A systematic review of the impact of farm-to-school activities on student outcomes. *Advances in Nutrition*.
- Rocker, Sarah. 2019 (May). *Value Chain Coordination: A New Strategy for Developing Soft Infrastructure in Regional Agrifood Systems in the United States*. Ph.D. dissertation (Rural Sociology). University Park: The Pennsylvania State University. [Advisor: **Clare Hinrichs**] (Obj. 4)

- Schmit, T.M., B.B.R. Jablonski, and C. Laughton. 2019. Comparing farm financial performance across local food market channels. *Journal of Extension*.
- Smith, K., Ostrom, M., McMoran, D. and L. Carpenter Boggs. (2019) Connecting New Farmers to Place, Agroecology, and Community Through a Bilingual Organic Farm Incubator, *Journal of Agriculture, Food Systems, and Community Development*. 9(1).
- VanSandt, A, S. Low, B.B.R. Jablonski, and S. Weiler. 2019. Place-Based Factors and the Success of Farm-Level Entrepreneurship. *Review of Regional Studies*. 49(3).

Extension and Outreach Materials

- Bass, T., Byker-Shanks, C., Fassas, D., Gamble, J., Halloran, K., Roth, A., Schumacher, J., and Stefan, M. (2018). Getting Started in with Beef to School, MontGuide Extension Bulletin MT201811HR. Bozeman, MT (funded by Western SARE)
- Byker-Shanks, C., Bass, T., Fassas, D., Gamble, J., Halloran, K., Roth, A., Schumacher, J., and Stefan, M. (2018) Moving Forward Together: Strategies for Montana Beef to School, Extension Special Bulletin #4623. Bozeman, MT (funded by Western SARE)
- Center for Integrated Agriculture Systems. (Draft reports, publication in progress). Understanding Domestic Fair Trade for Agriculture of the Middle: 1) Conceptual Frameworks, 2 Economic Analysis of Domestic Fair Trade: Comparing Farm Labor and low-skill jobs, and 3) synthesis detailing emergent patterns.
- Dahlquist-Willard, R., Engelskirchen, G., Feenstra, G., Ramos, L. (2019). [A Guide to Drying Moringa](#), a practical guide for farmers created as part of a CA Dept of Food & Ag Specialty Crop Block Grant.
- Dahlquist-Willard, R., Engelskirchen, G., Feenstra, G., Ramos, L. (2018). [Moringa Recipe Cards](#), promotional materials for farmers to use in educating consumers at farmers' markets.
- Dawson, J., Smith, N., Miller, M., Voight, E., Carusi, C., McNair, R. (November 2019) "Comparing Apples to Apples: Single-Variety Hard Apple Cider Testing", a UW CIAS report.
- Fitzsimmons, J.A. Benchmark Metrics to Evaluate Progress in the Massachusetts Food System. (Website content prepared for The Massachusetts Food System Collaborative.)
- Fitzsimmons, J.A. Massachusetts Agricultural Census Data, 2017. (Website content prepared for The Center for Agriculture, Food and the Environment at the University of Massachusetts Amherst.)
- Gupta, C., and Feenstra, G. (2019). Food policy councils are emerging as a model to address gaps in local policies. Blog written for ANR Urban Agriculture website. <https://ucanr.edu/sites/UrbanAg/?blogpost=29648&blogasset=70075>
- Johnson, C., Hesser, K., Capps, S. and Feenstra, G. July 15-18, 2019. Growing Food Literacy in Calaveras County. Poster presentation, Child Obesity Conference, Anaheim, CA

- Leff, P. (2018). [*Hosting Dinners on Your California Farm*](#), a practical guide for farmers and ranchers created as part of a Western SARE Professional Development Project.
- Leff, P. (2019). [*The Big Event: Hosting a Festival on Your California Farm*](#), a practical guide for farmers and ranchers created as part of a Western SARE Professional Development Project.
- Leff, P. and Jones, S. (2019). [*Guest Lodging on Your California Farm or Ranch*](#), a practical guide for farmers and ranchers created as part of a Western SARE Professional Development Project.
- Leff, P. [*California Agritourism*](#), a website offering resources for use by everyone involved in California Agritourism, funded by UC ANR, webmaster: Penny Leff, created 2019.
- Hardesty, S., Leff, P. and George, H. (2019). [*Expanding Agritourism in Butte County, California*](#), a case study published online as part of “Innovative and Promising Practices in Sustainable Tourism”
- Maynard, Kelly, Sarah Janes Ugoretz, Michelle Miller, Sarah Lloyd, Ryan Saunders, Becky Glass, Lindsey Day Farnsworth, Laura Frye-Levine, and Larry Burmeister. Case studies in Domestic Fair Trade for Classroom and/or Professional Development: Organic Valley’s supply chain; Wisconsin CSA farms; Milk with Dignity campaign; Minimum wage campaigns; Farm Apprenticeships; and the Good Food Purchasing Program.
- Miller, M. (2018) Three Organic Transition Decision Case Studies: 1) “Should We Transition Our Orchard to Organic? - the Hoch Orchard”, 2) “Fighting Fire Blight – The Cider Farm”, 3) “Marketing Poultry Without a Processor – The Podall Farm”, University of Minnesota web site published September 2018. <http://organictransition.umn.edu/>
- Miller, M. 2018. Google Refresh – Food + Tech. “From Soil to Supper”. (2018)