



# Southeastern Coastal Center for Agricultural Health and Safety

## Publications authored by our collaborators

The **Southeastern Coastal Center for Agricultural Health and Safety** (SCCAHS) is part of a Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health (NIOSH) Agricultural Health and Safety Initiative. SCCAHS explores and addresses the occupational safety and health needs of people working in agriculture, fishing, and forestry in Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Puerto Rico, and the U.S. Virgin Islands.

Research results are being published by SCCAHS partners and other stakeholders on occupational safety in agriculture, fishing and forestry. These studies are benefiting employers, families, and workers at the 240,000 farms estimated by the US Department of Agriculture to be operating in the region, as well as forestry and fishery industries.

### Pesticides

2014. Flocks, J. **Protecting Farmworker Children from Pesticide Exposure**. Physicians for Social Responsibility, Environmental Health Institute. Retrieved from <http://www.psr.org/environment-and-health/environmental-health-policy-institute/responses/protecting-farmworker-children.html>
2014. Runkle, J., Culley, J., Economos, J., Mac, V., Tovar, J. A., Flocks, J. J., & McCauley, L. **Participatory Educational Intervention to Address Heat, Ergonomic Stress, and Pesticide Exposure as Workplace Hazards for Female Farmworkers in Central Florida**. *Journal of Agromedicine*, 19(2), 235–235. <https://doi.org/10.1080/1059924X.2014.892448>
2013. Grzywacz, J. G., Arcury, T. A., Talton, J. W., D'Agostino, R. B., Trejo, G., Mirabelli, M. C., & Quandt, S. A. **“Causes” of pesticide safety behavior change in Latino farm worker families**. *American Journal of Health Behavior*, 37(4), 449–457. <https://doi.org/10.5993/AJHB.37.4.3>
2013. Runkle, J. D., Tovar-Aguilar, J. A., Economos, E., Flocks, J., Williams, B., Muniz, J. F., ... McCauley, L. **Pesticide risk perception and biomarkers of exposure in Florida female farmworkers**. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*, 55(11), 1286–92. <https://doi.org/10.1097/JOM.0b013e3182973396>
2012. Flocks, J., Kelley, M., Economos, J., & McCauley, L. **Female farmworkers' perceptions of pesticide exposure and pregnancy health**. *Journal of Immigrant and Minority Health*, 14(4), 626–632. <https://doi.org/10.1007/s10903-011-9554-6>
2010. Mayer, B., Flocks, J., & Monaghan, P. **The role of employers and supervisors in promoting pesticide safety behavior among Florida farmworkers**. *American Journal of Industrial Medicine*, 53(8), 814–824. <https://doi.org/10.1002/ajim.20826>
2007. Flocks, J., Monaghan, P., Albrecht, S., & Bahena, A. **Florida farmworkers' perceptions and lay knowledge of occupational pesticides**. *Journal of Community Health*, 32(3), 181–194. <https://doi.org/10.1007/s10900-006-9040-6>

2007. Liebman, A. K., Juarez, P. M., Leyva, C., & Corona, A. **A Pilot Program Using Promotoras de Salud to Educate Farmworker Families About the Risks from Pesticide Exposure.** *Journal of Agromedicine*, 12(2), 33–43. [https://doi.org/10.1300/J096v12n02\\_04](https://doi.org/10.1300/J096v12n02_04)

## Heat Stress

2015. Ashley, C. D., Ferron, J., & Bernard, T. E. **Loss of Heat Acclimation and Time to Re-establish Acclimation.** *Journal of Occupational and Environmental Hygiene*, 12(5), 302–308. <https://doi.org/10.1080/15459624.2014.987387>

2015. Bernard, T. E., & Iheanacho, I. **Heat index and adjusted temperature as surrogates for wet bulb globe temperature to screen for occupational heat stress.** *Journal of Occupational and Environmental Hygiene*, 12(5), 323–333. <https://doi.org/10.1080/15459624.2014.989365>

2014. Runkle, J., Culley, J., Economos, J., Mac, V., Tovar, J. A., Flocks, J. J., & McCauley, L. **Participatory Educational Intervention to Address Heat, Ergonomic Stress, and Pesticide Exposure as Workplace Hazards for Female Farmworkers in Central Florida.** *Journal of Agromedicine*, 19(2), 235–235. <https://doi.org/10.1080/1059924X.2014.892448>

2013. Flocks, J., Vi Thien Mac, V., Runkle, J., Tovar-Aguilar, J. A., Economos, J., & McCauley, L. A. **Female Farmworkers' Perceptions of Heat-Related Illness and Pregnancy Health.** *Journal of Agromedicine*, 18(4), 350–358. <https://doi.org/10.1080/1059924X.2013.826607>

2010. Bernard, T., Ashley, C., Trentacosta, J., Kapur, V., & Tew, S. **Critical heat stress evaluation of clothing ensembles with different levels of porosity.** *Ergonomics*, 53(8), 1048–1058. <https://doi.org/10.1080/00140139.2010.494736>

2010. Jackson, L. L., & Rosenberg, H. R. **Preventing heat-related illness among agricultural workers.** *Journal of Agromedicine*, 15(3), 200–215. <https://doi.org/10.1080/1059924X.2010.487021>

2008. Ashley, C. D., Luecke, C. L., Schwartz, S. S., Islam, M. Z., & Bernard, T. E. **Heat strain at the critical WBGT and the effects of gender, clothing and metabolic rate.** *International Journal of Industrial Ergonomics*, 38(7–8), 640–644. <https://doi.org/10.1016/j.ergon.2008.01.017>

2008. Bernard, T. E., Caravello, V., Schwartz, S. W., & Ashley, C. D. **WBGT clothing adjustment factors for four clothing ensembles and the effects of metabolic demands.** *Journal of Occupational and Environmental Hygiene*, 5(1), 1–5. <https://doi.org/10.1080/15459620701732355>

2008. Caravello, V., McCullough, E. A., Ashley, C. D., & Bernard, T. E. **Apparent evaporative resistance at critical conditions for five clothing ensembles.** *European Journal of Applied Physiology*, 104(2), 361–367. <https://doi.org/10.1007/s00421-007-0655-9>

2006. Gonzalez, N. W., Bernard, T. E., Carroll, N. L., Bryner, M. a, & Zeigler, J. P. **Maximum sustainable work rate for five protective clothing ensembles with respect to moisture vapor transmission rate and air permeability.** *Journal of Occupational and Environmental Hygiene*, 3(2), 80–6. <https://doi.org/10.1080/15459620500498133>

2005. Bernard, T. E., Luecke, C. L., Schwartz, S. W., Kirkland, K. S., & Ashley, C. D. **WBGT clothing adjustments for four clothing ensembles under three relative humidity levels.** *Journal of Occupational and Environmental Hygiene*, 2(5), 251–256. <https://doi.org/10.1080/15459620590934224>

## Education & Extension Techniques

2014. Brain, R. G., Hostetler, M. E., & Irani, T. A. **Why Do Cattle Ranchers Participate in Conservation**

- Easement Agreements? Key Motivators in Decision Making.** *Agroecology and Sustainable Food Systems*, 38(3), 299–316. <https://doi.org/10.1080/21683565.2013.819479>
2014. Gillen, M., Spence, L., Douglas, D., & Williams, B. C. **Providing Money Management Education to Women through Extension – Women and Money: Unique Issues.** *The Forum for Family and Consumer Issues*, 19(1). Retrieved from <https://ncsu.edu/ffci/publications/2014/v19-n1-2014-spring/gillen-spence-williams.php>
2014. Morera, M. C., Monaghan, P. F., Galindo-Gonzalez, S., Tovar-Aguilar, J. A., Roka, F. M., & Asuaje, C. **Evaluating Extension-Based Adult Education for Agricultural Labor Supervisors.** *Journal of Agricultural Education*, 55(3), 72–88. <https://doi.org/10.5032/jae.2014.03072>
2014. Morera, M. C., Monaghan, P. F., Tovar-Aguilar, J. A., Galindo-Gonzalez, S., Roka, F. M., & Asuaje, C. **Improving Health and Safety Conditions in Agriculture Through Professional Training of Florida Farm Labor Supervisors.** *Journal of Agromedicine*, 19(2), 117–122. <https://doi.org/10.1080/1059924X.2014.886318>
2014. Tovar-Aguilar, J. A., Monaghan, P. F., Bryant, C. A., Esposito, A., Wade, M., Ruiz, O., & McDermott, R. J. **Improving Eye Safety in Citrus Harvest Crews Through the Acceptance of Personal Protective Equipment, Community-based Participatory Research, Social Marketing, and Community Health Workers.** *Journal of Agromedicine*, 19(2), 244–245. <https://doi.org/10.1080/1059924X.2014.892852>
2014. Warner, L. A., Galindo-Gonzalez, S., & Gutter, M. S. **Building Impactful Extension Programs by Understanding How People Change.** University of Florida Cooperative Extension EDIS Document #WC189. Retrieved from <http://edis.ifas.ufl.edu/pdffiles/WC/WC18900.pdf>
2013. Lamm, A. J., & Israel, G. D. **A National Examination of Extension Professionals' Use of Evaluation: Does Intended Use Improve Effort?** *Journal of Human Sciences and Extension*, 1(1), 49–62. Retrieved from [http://media.wix.com/ugd//c8fe6e\\_5b9eec9ff883f1d0efcd9f0731f0c857.pdf](http://media.wix.com/ugd//c8fe6e_5b9eec9ff883f1d0efcd9f0731f0c857.pdf)
2013. Lamm, A. J., Israel, G. D., & Diehl, D. **A National Perspective on the Current Evaluation Activities in Extension.** *Journal of Extension*, 51(1), 136–149. Retrieved from <https://www.joe.org/joe/2013february/a1.php>
2013. Monaghan, P., Ott, E., & Wilber, W. **Defining audience segments for Extension programming using reported water conservation practices as a case study : Audience segments for urban water conservation programs.** *Journal of Extension*, 51(6), 1–14. Retrieved from <https://www.joe.org/joe/2013december/a8.php>
2012. Lamm, A., Shoulders, C., Roberts, G., Irani, T., Snyder, L., & Brendemuhl, J. **The Influence of Cognitive Diversity on Group Problem Solving Strategy.** *Journal of Agricultural Education*, 53(1), 18–30. <https://doi.org/10.5032/jae.2012.01018>
2011. Ammerman, A., Harris, J. R., Brownson, R. C., & Tovar-Aguilar, J. A. **CDC's Prevention Research Centers Program: Translating Research into Action with Communities.** *The Journal of Primary Prevention*, 32(3–4), 131–134. <https://doi.org/10.1007/s10935-011-0252-x>
2011. Lamm, A., & Israel, G. **An Organizational Approach to Understanding Evaluation in Extension.** *Journal of Agricultural Education*, 52(4), 136–149. <https://doi.org/10.5032/jae.2011.04136>
2011. Lamm, A., Rhoades, E., Irani, T., Roberts, G., & Snyder, L. **Utilizing Natural Cognitive Tendencies to Enhance Agricultural Education Programs.** *Journal of Agricultural Education*, 52(2), 12–23. <https://doi.org/10.5032/jae.2011.02012>
2011. Monaghan, P. **Lessons Learned from a Community Coalition with Diverse Stakeholders: The Partnership for Citrus Worker Health.** *Annals of Anthropological Practice*, 35(2), 27–42. <https://doi.org/10.1111/j.2153-9588.2011.01080.x>

2011. Telg, R., Irani, T., Monaghan, P., Chiarelli, C., Scicchitano, M., & Johns, T. **Preferred information channels and source trustworthiness: Assessing communication methods used in Florida's battle against citrus greening.** *Environmental Communication: A Journal of Nature and Culture*, 5(1), 83–103. Retrieved from [http://journalofappliedcommunications.org/images/stories/issues/2012/jac\\_v96\\_n1\\_article4.pdf](http://journalofappliedcommunications.org/images/stories/issues/2012/jac_v96_n1_article4.pdf)
2011. Thakadu, O. T., Irani, T. A., & Telg, R. **Communicating in the Public Sphere: Attitudes Toward Different Public Instructional Communication Methods.** *Environmental Communication*, 5(1), 83–103. <https://doi.org/10.1080/17524032.2010.537669>
2009. Grzywacz, J. G., Arcury, T. A., Marín, A., Carrillo, L., Coates, M. L., & Quandt, S. A. **Using Lay Health Promoters in Occupational Health: Outcome Evaluation in a Sample of Latino Poultry-Processing Workers.** *NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy*, 19(4), 449–466. <https://doi.org/10.2190/NS.19.4.e>
2008. Monaghan, P. F., Bryant, C. A., Baldwin, J. A., Zhu, Y., Ibrahimou, B., Lind, J. D., ... McDermott, R. J. **Using Community-Based Prevention Marketing to Improve Farm Worker Safety.** *Social Marketing Quarterly*, 14(4), 71–87. <https://doi.org/10.1080/15245000802477607>
2007. Liebman, A. K., Juarez, P. M., Leyva, C., & Corona, A. **A Pilot Program Using Promotoras de Salud to Educate Farmworker Families About the Risks from Pesticide Exposure.** *Journal of Agromedicine*, 12(2), 33–43. [https://doi.org/10.1300/J096v12n02\\_04](https://doi.org/10.1300/J096v12n02_04)
2004. Ruth, A., Telg, R., Irani, T., & Locke, D. **Agricultural scientists' perceptions of fairness and accuracy of science and agriculture coverage in the news media.** In *2004 Southern Association of Agricultural Scientists Convention, Agricultural Communications Section*. Tulsa, OK. Retrieved from <http://agrilifecdn.tamu.edu/saas/files/2011/02/mediaperceptions.pdf>

## Family & Health

2014. Runkle, J., Flocks, J., Economos, J., Tovar-Aguilar, J. A., & McCauley, L. **Occupational risks and pregnancy and infant health outcomes in Florida farmworkers.** *International Journal of Environmental Research and Public Health*, 11(8), 7820–7840. <https://doi.org/10.3390/ijerph110807820>
2013. Kelley, M. A., Flocks, J. D., Economos, J., & McCauley, L. A. **Female Farmworkers' Health During Pregnancy: Health Care Providers' Perspectives.** *Workplace Health & Safety*, 61(7), 308–313. <https://doi.org/10.3928/21650799-20130617-07>
2013. Runkle, J., Flocks, J., Tovar, A., Economos, J., & McCauley, L. **Occupational exposure to mancozeb: a reproductive hazard for women working in agriculture.** *Contraception*, 88(2), 315. <https://doi.org/10.1016/j.contraception.2013.04.041>

This is an initial list that will be being updated periodically. More publications will be added soon. This list is also available in Mendeley: <https://www.mendeley.com/community/sccahs/>

If you would like to suggest publications on occupational safety in agriculture, fishing, and forestry in Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Puerto Rico, or the U.S. Virgin Islands, please email Ricardo Brown-Salazar ([rbs@ufl.edu](mailto:rbs@ufl.edu)) to add them.

Last update: April 1, 2017.