

CURRICULUM VITAE

Jean Bonhotal

Soil and Crop Sciences Section, School of Integrative Plant Science, Cornell Waste Management Institute
817 Bradfield Hall, Cornell University, Ithaca, NY 14853
607-255-1187 • jb29@cornell.edu • <http://cwmi.css.cornell.edu/Bonhotal.htm>

Education:

1991 M.S. SUNY Binghamton, Education and Communication
1984 B.A./B.S. Utah State University, Fisheries and Wildlife Biology
1979 AAS SUNY Morrisville, Natural Resources

Positions:

2012-present Cornell Waste Management Institute, Cornell University, Ithaca, NY, Director and Senior Extension Associate
2007-2012 Cornell Waste Management Institute, Cornell University, Ithaca, NY, Associate Director and Senior Extension Associate
1989-2007 Cornell Waste Management Institute, Cornell University, Ithaca, NY, Extension Associate
1986-1989 Cornell Cooperative Extension, Broome County, Binghamton, NY, Cooperative Extension

Areas of Expertise: Composting; manure; mortality disposal; compost quality; compost use

Professional Overview and Objectives: Improve soil health through increased use of organic residuals. Provide economic and environmentally sound options for livestock farmers to manage manure and mortalities. Promote sound, practical plans for mass casualty disposal throughout the US. Work with the compost/horticulture/agriculture industry to develop specifications for compost use and promote an increase use of organic residuals.

Honors and Awards:

Rufus Chaney Award – US Composting Council, 2014.
NACAA Poster Award – Sustainable Livestock Mortality Management, 2013.
MacDonald Award – Department of Crop and Soil Sciences. 2011.
NYSAR³ Recycler of the Year – Private Sector. 2009.
Communications Award Regional Finalist, National Association of County Agricultural Agents, “Compost Fact Sheet Series.” 2009.
Outstanding Accomplishments in Extension/Outreach Award – CALS Research and Extension Award. 2007.
David Allee Campus-County Connection Award – The “Natural Rendering” project. 2004
Blue Ribbon: from the American Society of Agricultural Engineers. “Natural Rendering: Composting Livestock Mortality and Butcher Waste,” (NRAES-163). 2003.
Outstanding New Extension Publication Recognition Award, “Natural Rendering: Composting Livestock Mortality and Butcher Waste” fact sheet, presented by Cornell Cooperative Extension. 2003.
National Association of County Agricultural Agents Communication Award & NYS winner, “Disposal of Livestock Mortality & Butcher Waste.” 2003.
NYS Association of County Agricultural Agents, Communications Northeast Regional Finalist, “You Can Compost What?” 2003.
National Association of County Agricultural Agents Communication Award & NYS winner, “Farm-Based Composting: Manure & More.” 2001.
Solid Waste Association of North America – award for developing a youth solid waste education program. 1991.
U.S. Environmental Protection Agency – Environmental Quality Award. 1991.

Select Publications:

Miller, Lori, et al. 2016. Mortality Composting Protocol for Avian Influenza Infected Flocks – FY2016 HPAI Response. USDA APHIS, 1-31.
Schwarz, M. and Bonhotal, J. 2016. The Fate of Ivermectin in Manure Composting. Cornell Waste Management Institute, 1-9
Bonhotal, J. 2015. Composting Horse Mortality and Mortality Disposal Alternatives. Waste to Worth: Spreading Science and Solutions. Seattle, WA. March 31-April 3, 2015. <http://www.extension.org/pages/72738/composting-horse-mortality-and-mortality-disposal-alternatives>. Accessed on 2/13/17.
Bonhotal, J. 2015. Horse Manure Composting: Facilities and Methods. Waste to Worth: Spreading Science and Solutions. Seattle, WA. March 31-April 3, 2015. <http://www.extension.org/pages/72737/horse-manure-composting-facilities-and-methods> Accessed on 2/13/17.
Bonhotal, J. and Schwarz, M. 2015. Where There is Livestock, There is Occasionally Deadstock. Progressive Dairyman, 3:58-59. Progressive Dairyman-Canada [online](#).
Payne, J., Farris, R., Parker, G., Bonhotal, J., Schwarz, M. 2015. Quantification of Sodium Pentobarbital Residues from Equine Mortality Compost Piles. Journal of Animal Science, 93(4):1824-1829.

2017

- Schwarz, M., and Bonhotal, J. 2015. Effectiveness of Composting as a Means of Emergency Disposal: A Literature Review. 5th International Symposium on Managing Animal Mortality, Products, By Products. Lancaster PA.
- Bonhotal, J., Schwarz, M Rynk, R. 2014. Composting Animal Mortalities. Cornell Waste Management Institute, 1-23
- Schwarz, M. and Bonhotal, J. 2014. Quality Assurance in Mortality Composting, Mortality Composting Safety. Proceedings of the Mortality Composting Conference, pg 21-31, April 25. Agricultural Research and Extension Program Langston University, Langston, OK.
- Bonhotal, J. 2013. Is This Your Idea of Taking Out the Trash? Cornell Waste Management Institute.
- Fernandez, R., Arache, A., Alsina, J., Bonhotal, J. 2013. Advancing Organic Materials Management in Puerto Rico. *BioCycle*, 54(8):40-41
- Payne, J., Bonhotal, J., Rahman, S. 2013. Managing Animal Mortalities Curriculum Materials. Available at: <http://www.extension.org/68315>
- Schwarz, M, Bonhotal, J., Boschoff, K., Ebel, J. 2013. Fate of Barbiturates and Non-steroidal Anti-inflammatory Drugs During Carcass Composting. *Trends in Animal and Veterinary Sciences Journal*, 4(1):1-12
- Bonhotal, J., Schwarz, M., Williams, C. Swinker, A. 2012. Horse Mortality: Carcass Disposal Alternatives. Cornell Waste Management Institute. 8 pg fact sheet and 5-min video.
- Bonhotal, J., Schwarz, M., Feinland, G. 2011. In-vessel Composting Options for Medium-scale Food Waste Generators. *BioCycle*, 52(3):49-53
- Schwarz, M., Bonhotal, J., Staehr, A.E. 2011. How Frequently Should Stalls Be Refreshed With New Bedding? *Progressive Dairyman*, 1:57-58
- Bonhotal, J. and Jack, A. 2010. Vermicompost-A Living Soil Amendment. Cornell Waste Management Institute. 9-min video and website. <http://cwmi.css.cornell.edu/vermicompost.htm>
- Schwarz, M., Bonhotal, J., Rozeboom, D. 2010. The Space It Takes-Footprint Calculator for Composting Butcher Waste. Cornell Waste Management Institute, 1-8.
- Schwarz, M., Bonhotal, J., Staehr, A.E. 2010. Use of Dried Manure Solids as Bedding for Dairy Cows. Cornell Waste Management Institute, p.10
- Schwarz, M., Bonhotal, J., Harrison, E., Brinton, W., Storms, P. 2010. Effectiveness of Composting Road-Killed Deer in New York State. *Compost Science & Utilization*, 18(4):232-241
- Bonhotal, J. and Schwarz, M. 2009. Save Money on Bedding. *Eastern DairyBusiness*, p21
- Bonhotal, J., Staehr, E., Schwarz, M. 2009. Are Your Deadstock Piles and Disposal Costs Causing Your Farm Nightmares? *Country Folks*, B:21-23
- Petzen, J., Wolfanger, C., Bonhotal, J., Schwarz, M., Terry, T., Youngers, N. 2009. Case Study - Eagleview Compost Dairy Barn. NY Farm Viability Institute, p. 12
- Schwarz, M., and Bonhotal, J. 2009. Are Solids a Solid Bedding? *Hoard's Dairyman*, 154(14):518
- Schwarz, M., and Bonhotal, J. 2009. Cornell Farm Services Compost Facility. Cornell Waste Management Institute, p. 7
- Bonhotal, J., Schwarz, M., Brown, N. 2008. Natural Rendering: Composting Poultry Mortality. Ithaca, Cornell Waste Management Institute. 12 pg fact sheet, poster and DVD, <http://cwmi.css.cornell.edu/ai.htm>
- Bonhotal, J., Staehr, E., Schwarz, M. 2008. A How-To on Livestock Composting, *Northeast DairyBusiness*, 10:18-19
- Petrovic, A.M., Gruttadaurio, J., Barlow, J., Harrison, E Z., Bonhotal, J.F., Swartz, M., & Soldat, D.J. 2008. Influence of Site Conditions on Soil Responses to Manure-Based Compost Applications on Athletic Fields, *Acta Horticulturae*, 783:415-424.
- Petrovic, A.M., Gruttadaurio, J., Barlow, J., Harrison, E.Z., Bonhotal, J. F., Schwarz, M., & Soldat, D.J. 2008. Turfgrass Response to Manure-Based Compost Applications on Athletic Fields Bases on Site Factors, *Acta Horticulturae*, 783:425-436
- Bonhotal, J., Harrison, E., Schwarz, M. 2007. Natural Rendering: Composting Road Kill. Cornell Waste Management Institute, 12 pg fact sheet, poster and DVD. <http://cwmi.css.cornell.edu/tirc.htm>
- Schwarz, M., Bassuk, N., Bonhotal, J., Harrison, E. 2007. Highly Compacted Soils Improved by Compost Use. *BioCycle*, 48(7):55-56
- Schwarz, M., Bonhotal, J., Harrison, E., Gruttadaurio, J. 2007. Compost Use on Established Turf. *BioCycle*, 48(9):27-29
- Bonhotal, J., Harrison, E., Schwarz, M. 2007. Composting Liquids. Cornell Waste Management Institute, 4 pg.
- Aldrich, B. and Bonhotal, J. 2006. Aerobic Composting Affects Manure's Nutrient Content. *Northeast DairyBusiness*, 8(3):18
- Bonhotal, J., Harrison, E., Schwarz, M. 2006. Evaluating Pathogen Destruction in Road Kill Composting. *BioCycle*, 47:49-51
- Harrison, E. and Bonhotal, J. 2004. Improving & Maintaining Compost Quality. Cornell Waste Management Institute, 6 pg
- Harrison, E. and Bonhotal, J. 2004. Testing Composts. Cornell Waste Management Institute, 6 pg
- Bonhotal, J. and Laibach, T. 2004. Composting Road-Killed Deer in New York. *BioCycle*, 45(5):25-26
- Bonhotal, J. 2003. Natural Rendering: A Natural Solution for Mortality and Butcher Waste. *Small Farms Quarterly*, Fall Issue, pg 17
- Wright, P.E., Inglis, S.F., Stehman, S.M., Bonhotal, J. 2003. "Reduction of Selected Pathogens in Anaerobic Digestion." Proceedings of the 9th Int. Symposium, Animal, Agricultural and Food Processing Wastes IX. Pg 74-82, Oct.12-15. Raleigh, NC
- Bonhotal, J., Telega, S.L., Petzen, J.S. 2002. Natural Rendering: Composting Livestock Mortality and Butcher Waste. Cornell Waste Management Institute. 12 pg fact sheet, 3 posters and DVD.